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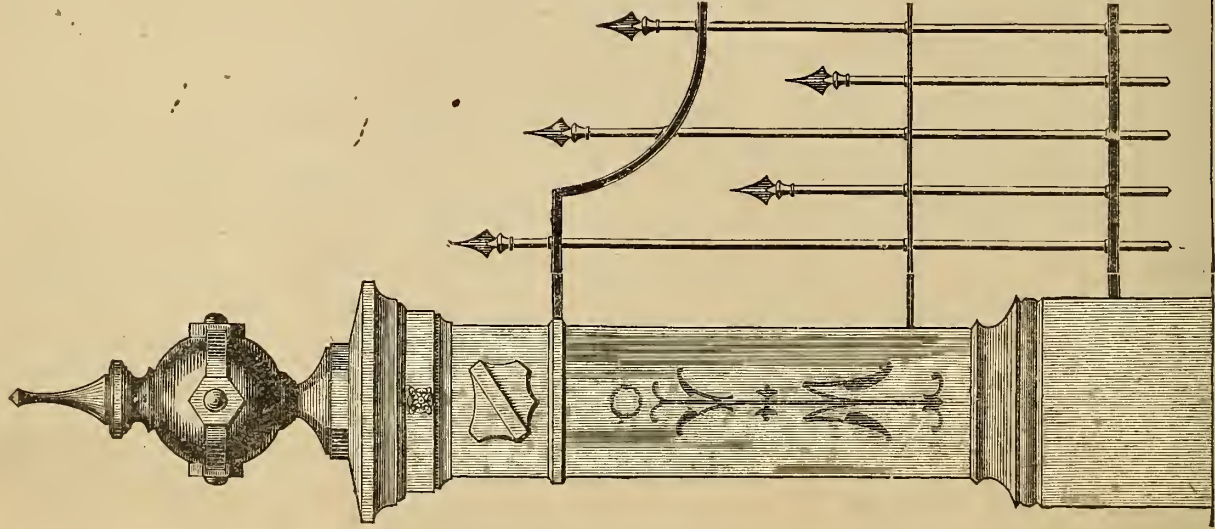
AN DORN IRON WORKS

MANUFACTURER OF THE

CLEVELAND WROUGHT IRON

FENCE

CLEVELAND O.



No. 56. GATE POST.

ELEVENTH ILLUSTRATED CATALOGUE
OF THE
VAN DORN IRON WORKS,

SOLE MAKERS OF THE
CLEVELAND WROUGHT IRON FENCE,

ALSO

*AUTOMATIC GATES, HITCHING POSTS, TREE GUARDS, DOOR AND WINDOW GUARDS AND SHUTTERS,
CEMETERY VAULT DOORS, IRON GRATINGS, FIRE ESCAPES, BUILDERS' SUPPLIES, ROOF
CRESTINGS, BALCONIES, STAIRS, VANES, STABLE FIXTURES, IRON POSTS FOR
BARBED WIRE FENCING, STATION HOUSE CAGES, JAILS, &c., &c.*

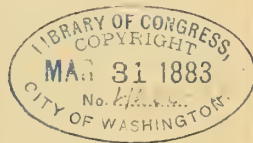
CORRESPONDENCE SOLICITED.

J. H. VAN DORN, PROPRIETOR,

Office, 197 Superior Street,

CLEVELAND, OHIO.

Copyrighted, 1883 by J. H. Van Dorn.



J. H. VAN DORN'S PATENT WROUGHT IRON FENCING,

Designed especially to enclose Private Residences, Parks, Lawns, Public Buildings, Etc.

TO THE PUBLIC.

We beg to call your attention to our **WROUGHT IRON FENCING**, believing that it is unsurpassed in Style, Construction, Durability and Price, and that buyers will subscribe their interests in using it in place of wood to protect and enclose Parks, Lawns, Residences, Public Buildings, etc.

Over 1,000,000 feet have been made and sold in the past ten years, which is a popular endorsement that has determined beyond question its superior merit over all other makes.

We are the sole manufacturers and patentees, and originated all the designs and patterns of iron fence that we furnish, and we sell either direct or through authorized agents, and where we have agencies established buyers will save time and expense by dealing with them, and if not properly served report to us.

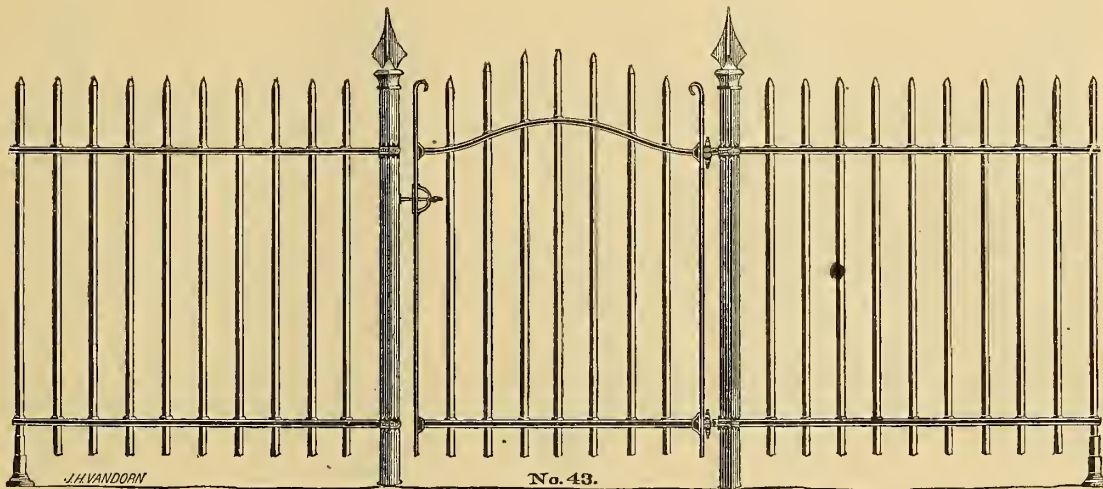
We are located in a large iron manufacturing city, where we can obtain the lowest prices on our material, direct from the mills, without commission or freight, and we have also the advantage of competing freight lines to nearly all parts of the country, and we believe we can offer such inducements to buyers that they will order of us after a careful examination of our work.

For further information see last pages. Correspondence solicited.

VAN DORN IRON WORKS,
CLEVELAND, OHIO.

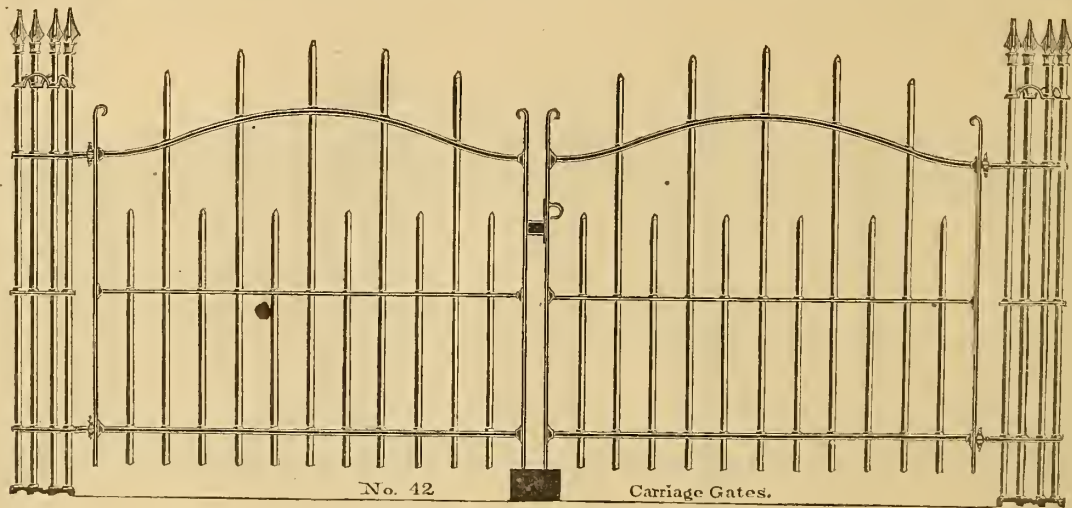
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1/2



No. 43 is plain, neat, servieable and cheap. Suitable for front or division purposes.

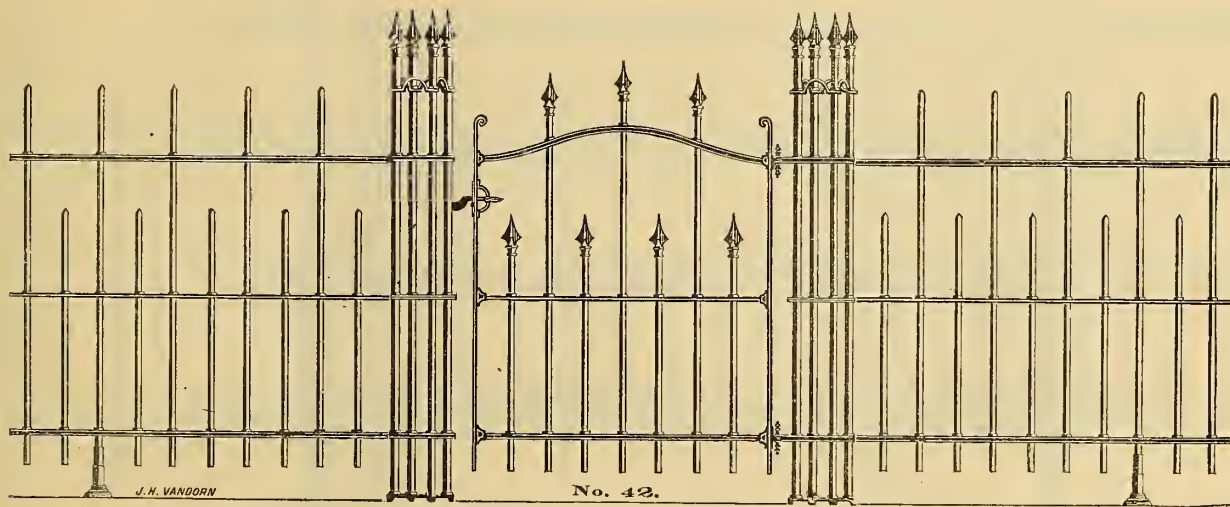
No. 70.



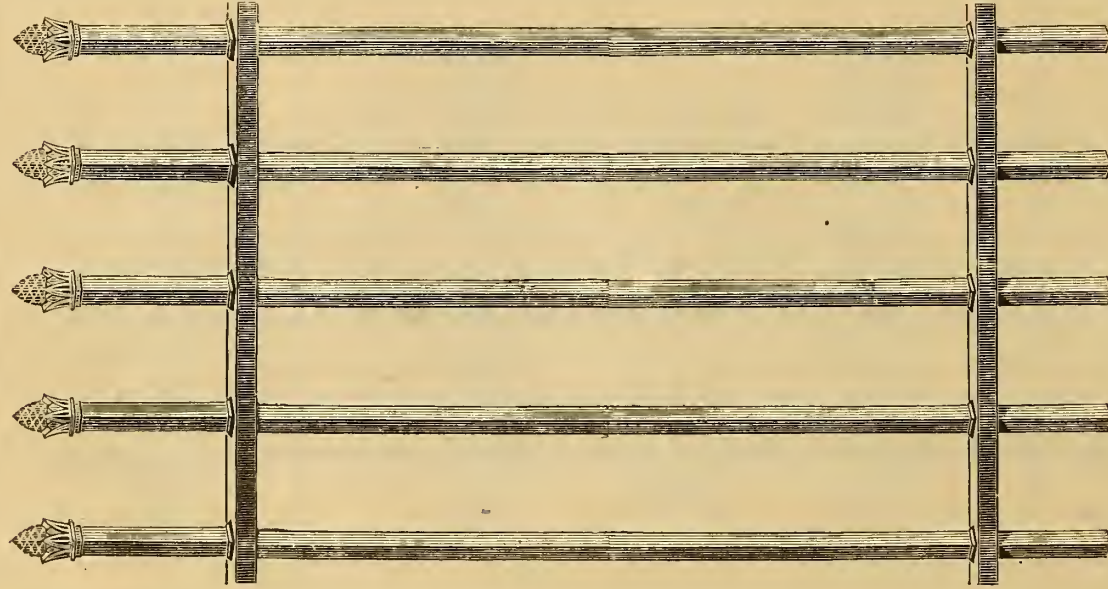
No. 11.

No. 11.

Our Carriage Gates are made to match the style of fence ordered, and are either 9 or 10 feet openings, as required.
Are very substantial, and thoroughly made in every respect.

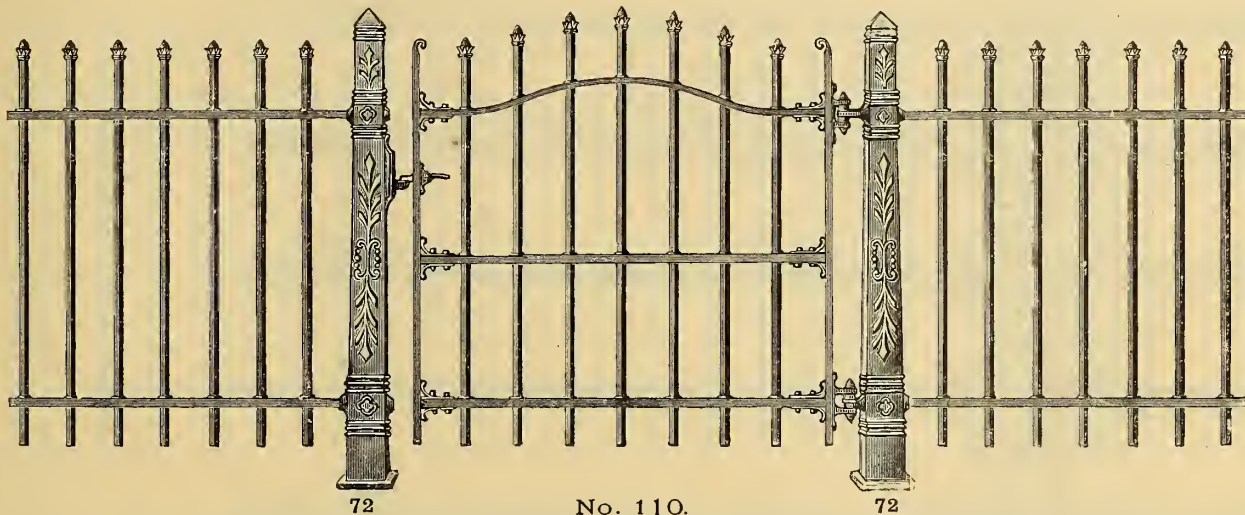


No. 42.—Size A is suitable for residences. Size B for parks or school houses. Entrance gate self-closing

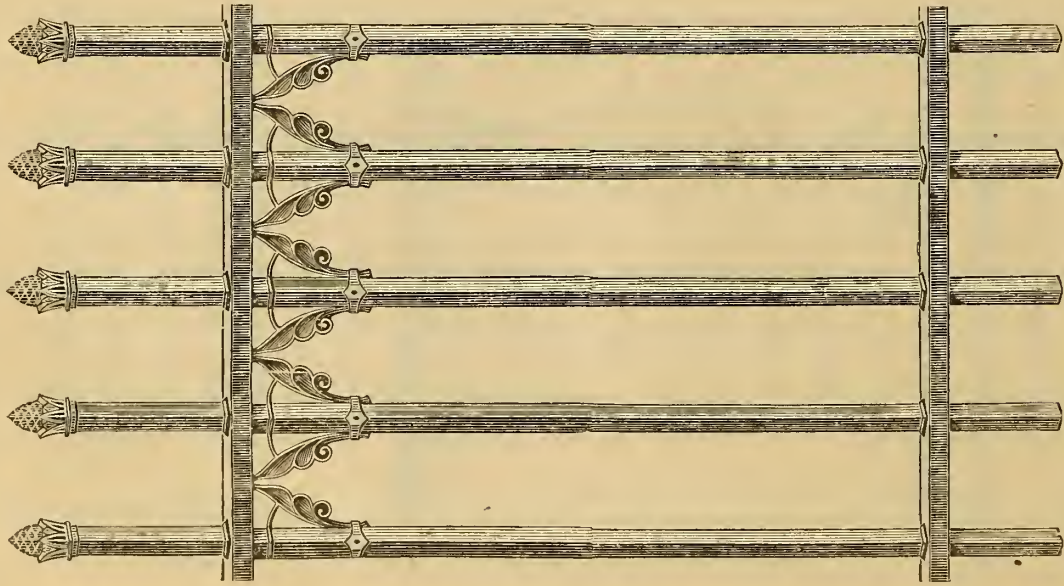


ENLARGED VIEW OF No. 110.

The picket finish is a new design, neat and tasty, and original with us. *Note* that in our manner of construction every joint is invincible, as shown on the 45th page.

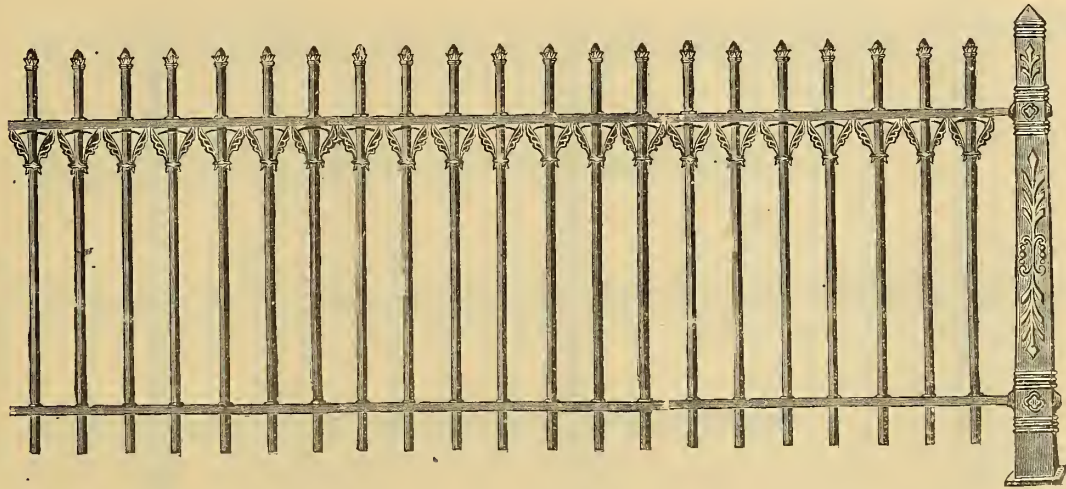


A tasty residence fence, with self-closing gate, four inch cast iron posts. New pattern and very strong.
No. 11 posts can be used with this fence if preferred.



No. 111.

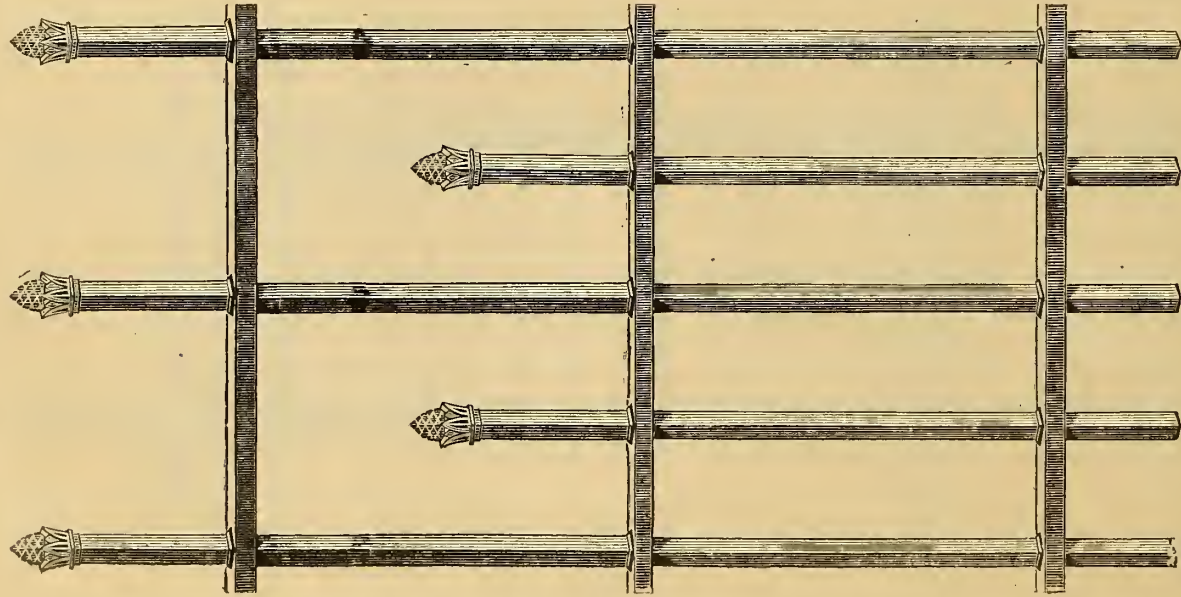
This is a new pattern, ornamental and reasonable in price.
Note that our pickets stand in center and that the diagonal width stands at right angles with the rail, showing the angle sides to the front, which adds much to the appearance of our work.



No. 111.

72

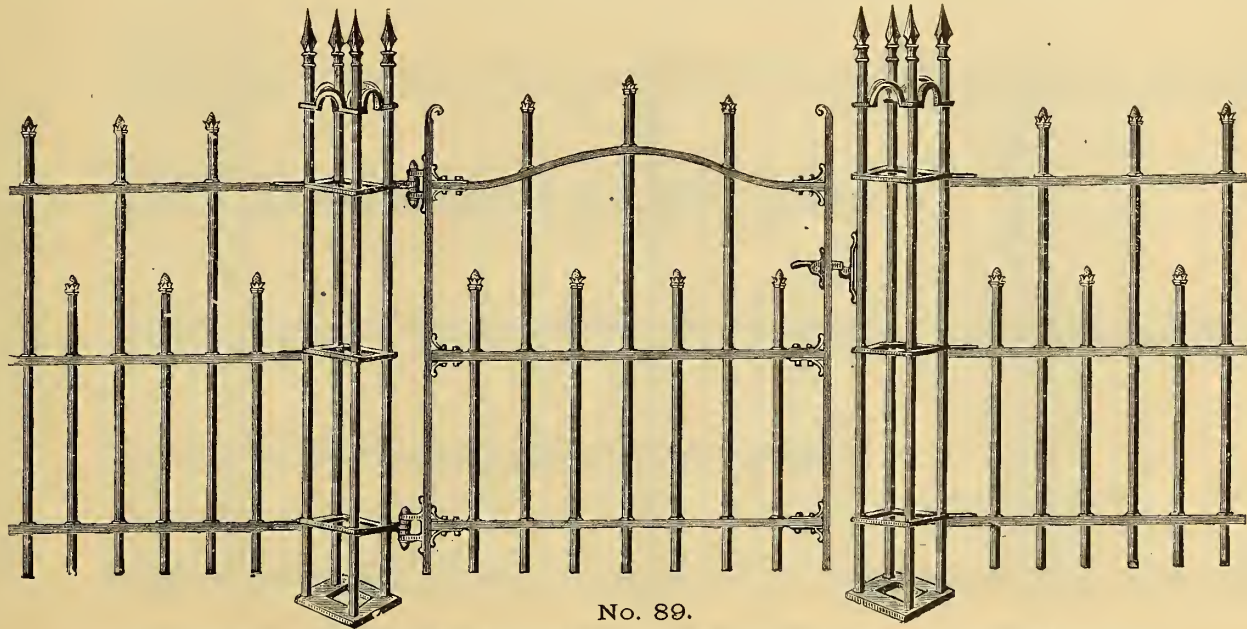
Made A and B sizes, and designed for residences. *Note* that we use a brace post each eight feet and a bearing each four feet. No saging or getting out of line. See page 46.



No. 89.

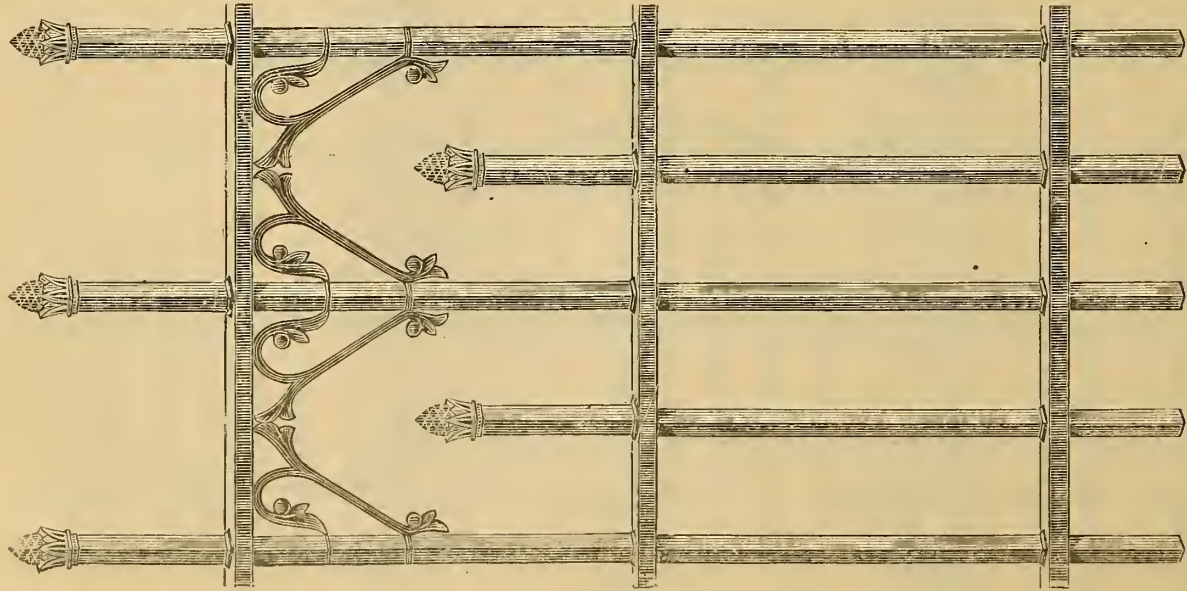
Note that the ornaments on this style are new and original with us. They are chaste and neat and can't be clubbed off. See construction, page 45; foundation, page 44.

COPYRIGHTED,



No. 89.

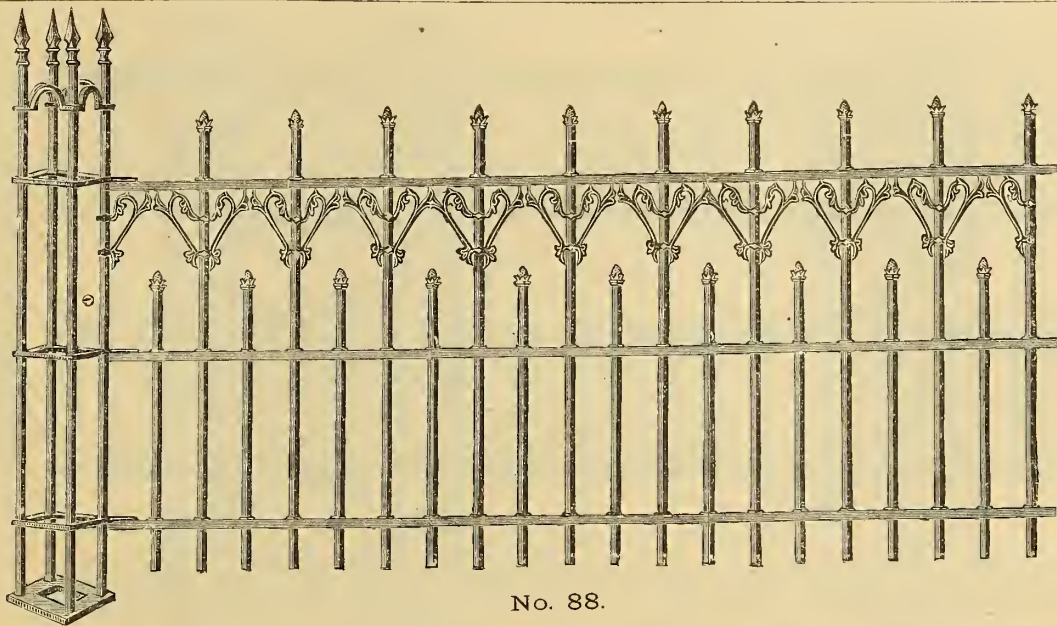
A very desirable fence. low in price and suitable for any purpose. Are very popular in Cleveland and vicinity.



No. 88.

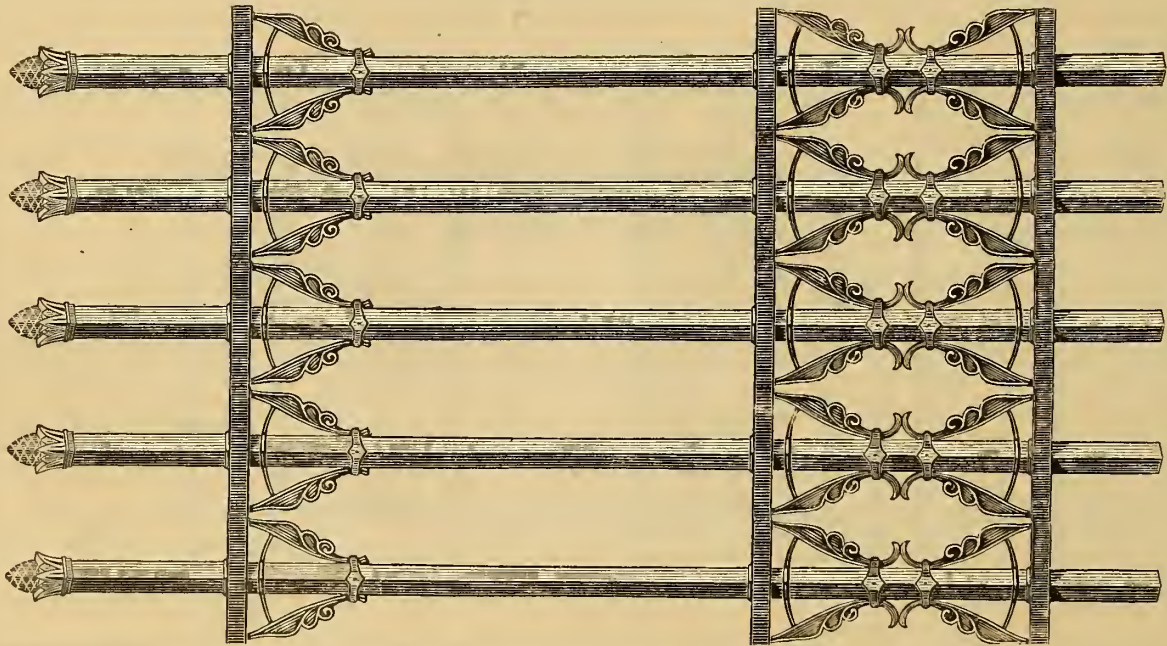
New style. For full particulars regarding foundation, see page 44. For specifications, see pages 46 and 47.

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No. 88.

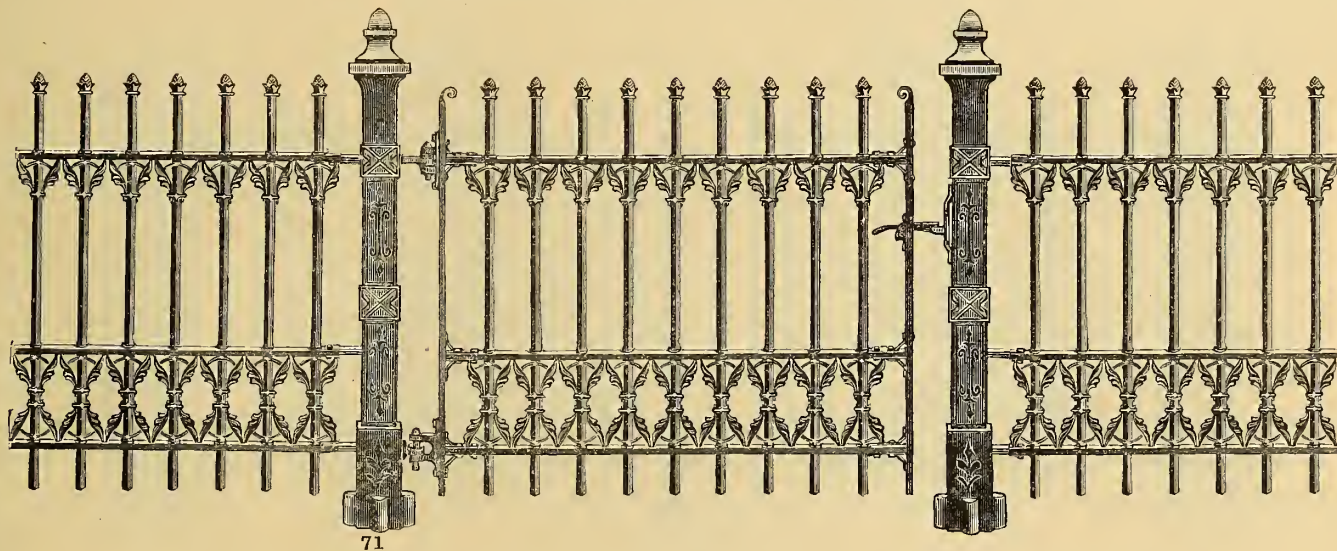
Made A and B. sizes. A very neat fence and new design. See foundation on page 44, and specifications on page 46.



No. 88.

New pattern, architectural in design. Both sides alike.
Ornamental work is securely attached. No danger of
breakage.

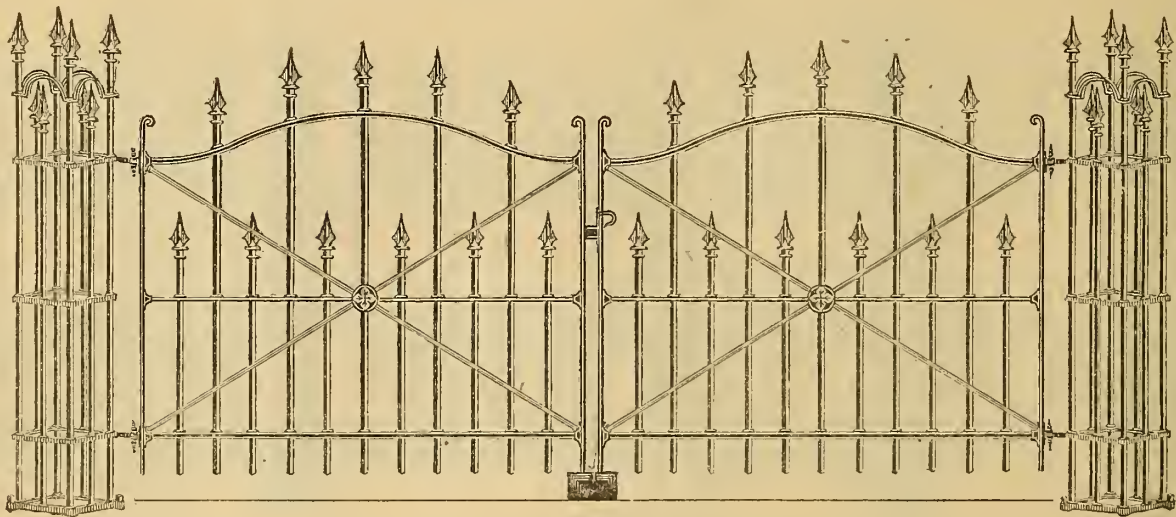
COPYRIGHTED.



71

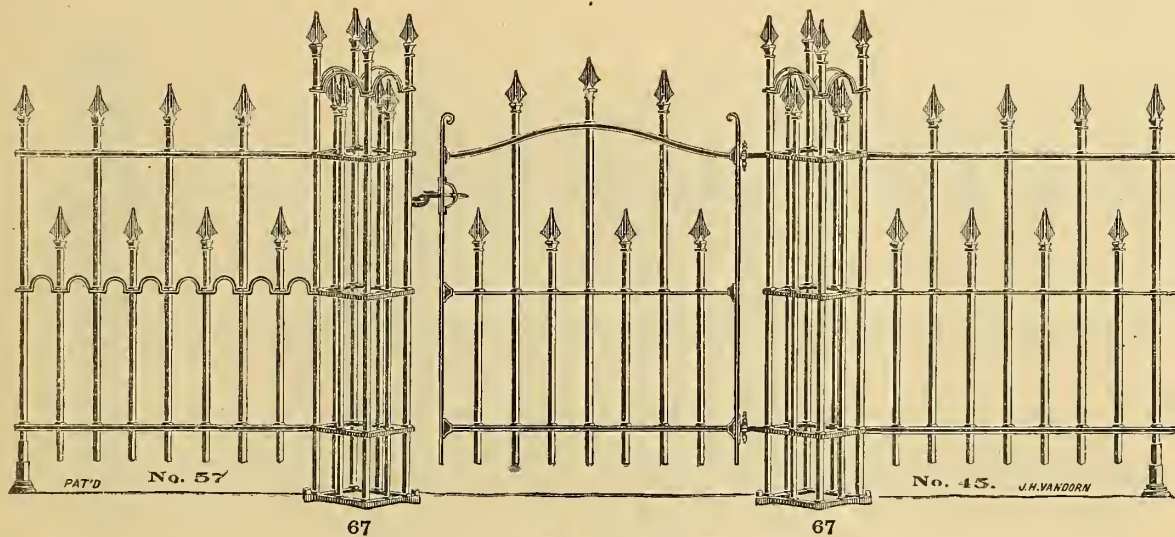
No. 109.

Euclid Avenue style (new). Designed expressly for us, and cannot be surpassed in taste or durability.
Has been used to enlose some of the finest residences in Cleveland.



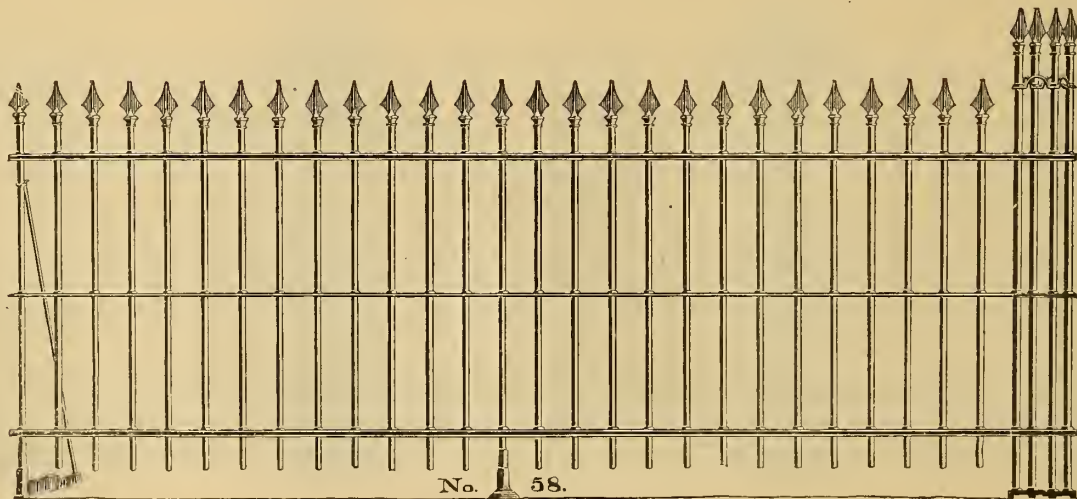
No. 45.

Carriage Gates are double braced when used automatically or for public purposes. By our construction we unquestionably obtain the most durable iron gate manufactured.

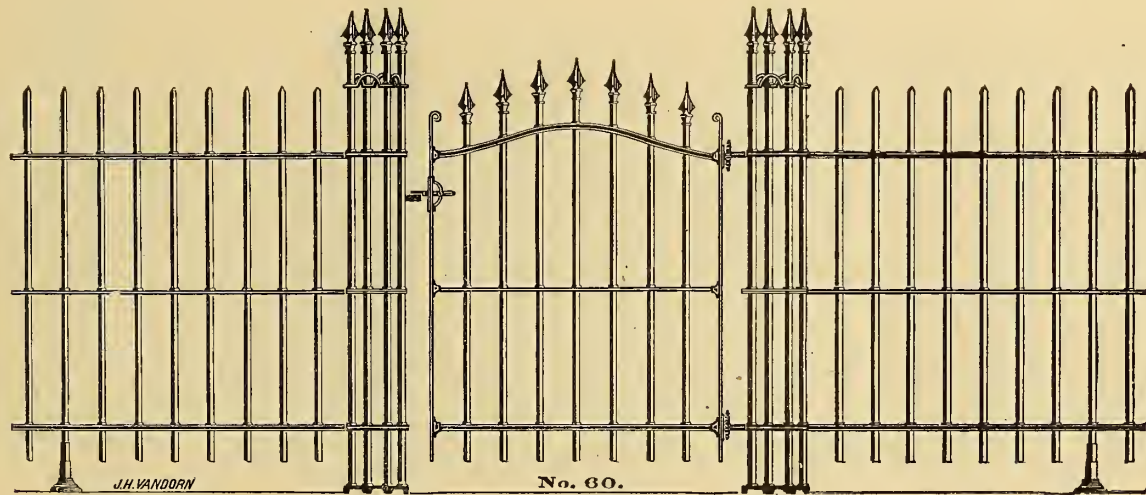


No. 45 and No. 57.

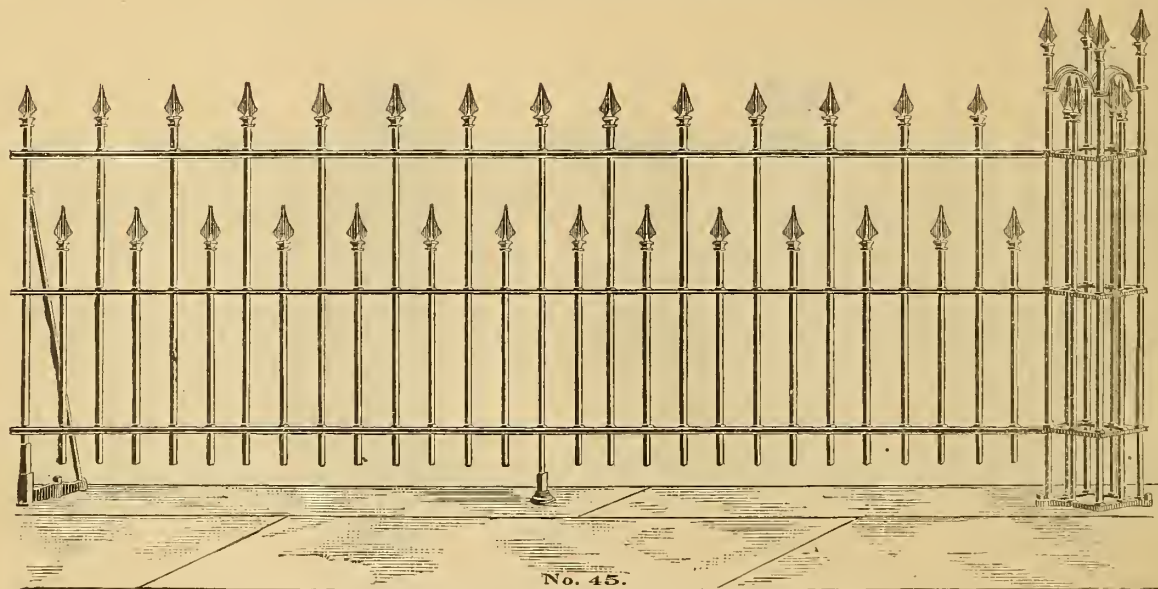
Very popular designs. Originally designed by us, and used eight years. Copied by some of our unprincipled competitors who falsely represent that they make the Cleveland Fence. *We are the sole makers.*



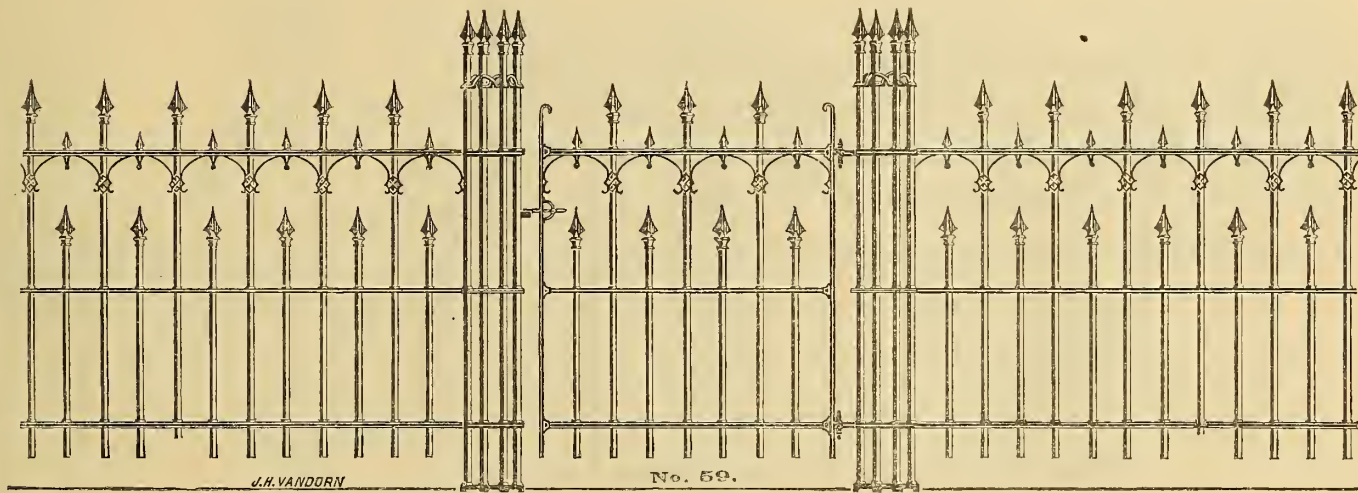
This is a very substantial style, suitable for residences, but especially adapted to Court Houses and School Houses. Ornaments are best malleable iron, and can't be clubbed off. We make in heavy patterns if desired.



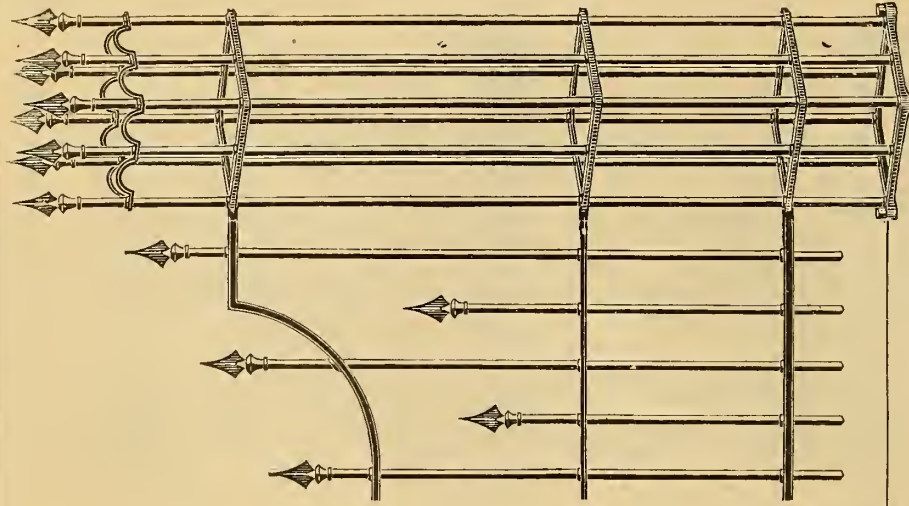
Our School House Fence has been adopted by our latest school buildings in Cleveland. We guarantee it to stand.
All wrought iron.



No. 45.—Attached to stone flanging, the most general way of setting fence in our vicinity.
Stone will not heave when properly set.



A very stylish fence. Designed and furnished by us. Is made A or B size (See sizes, &c., page 46), and is suitable for the finest residence. Gates self-closing, Brass Latch and Lined Hinges.



No. 66.

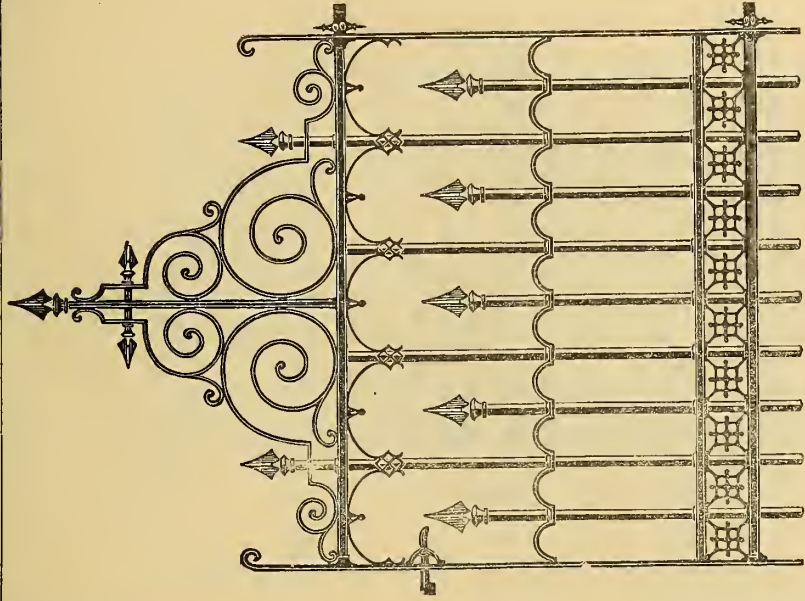
NOTICE.—Wrought Iron Cluster Posts can be used with any of our styles of fence. The larger they are the more they cost.

No. 66	is square	and 12 inches	in diameter.
“ 60	is octagon	“ 12	“
“ 67	is square	“ 6	“
“ 11	“	“ 5	“
“ 70	“	“ 1	“

Our cast Iron Posts can only be used in standard heights. They are the following sizes:

No. 72	is 4 inches	in diameter.
“ 71	is 4	“
“ 56	is 8	“
“ 56	is 12	“

Any posts we make and send out will hold the gates properly, and purchasers desiring any special pattern should write us for estimates. Our wrought iron posts cost from \$2.00 to \$12.00 each, cast iron from \$4.00 to \$30.00 each. It is always best to send full particulars, to-wit: number of pattern, height, size and number of gates and posts, &c. for estimates.

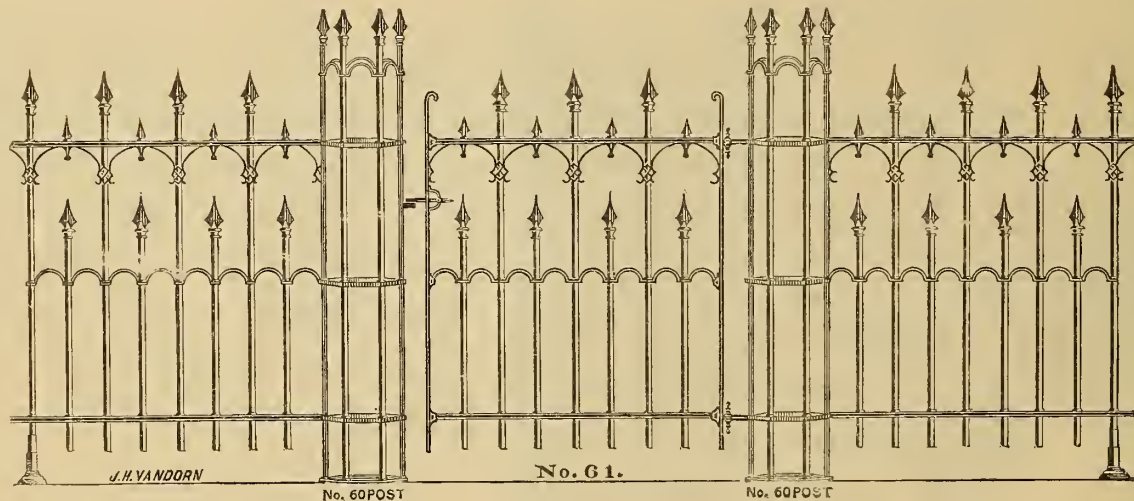


No. 87.

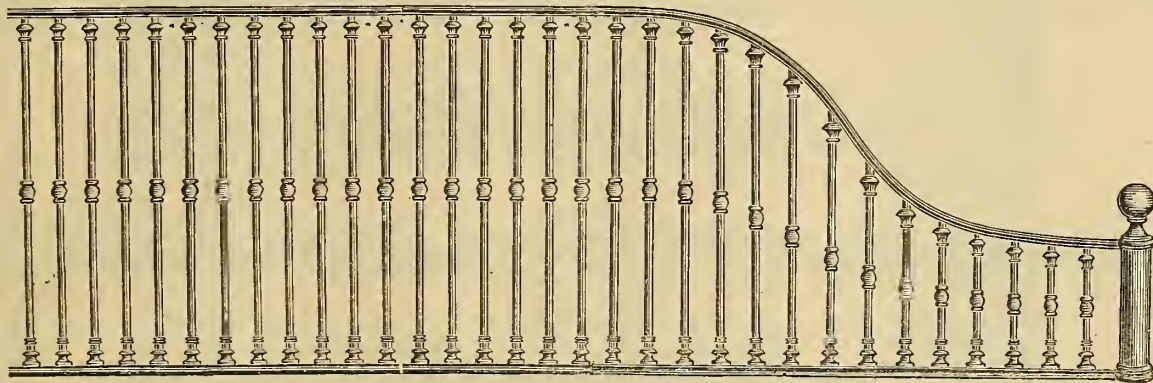
New Patterns, all Wrought and Malleable Iron.
GATES AND ATTACHMENTS.—There is no more important part of an iron fence than the gate. A poor iron gate is always a nuisance and out of order and a constant source of irritation and expense. While a good substantial gate is an everlasting blessing to its possessor.

We have spared no expense in making our gates perfect in every respect. Our manner of construction as shown on page 45, gives great solidity, and our hinges and attachments are so made as to be never broken. Our hinges are brass lined, our catches are brass, so as to prevent friction and consequent greasing. Our entrance gates are reliable self-closing.

Always specify the number of entrance and carriage gates and gate and end posts wanted in your job, with total number of feet frontage, and state if yards are level or otherwise if you desire a close estimate. We make the most durable and easy working automatic carriage gate in the market. Send for circular.



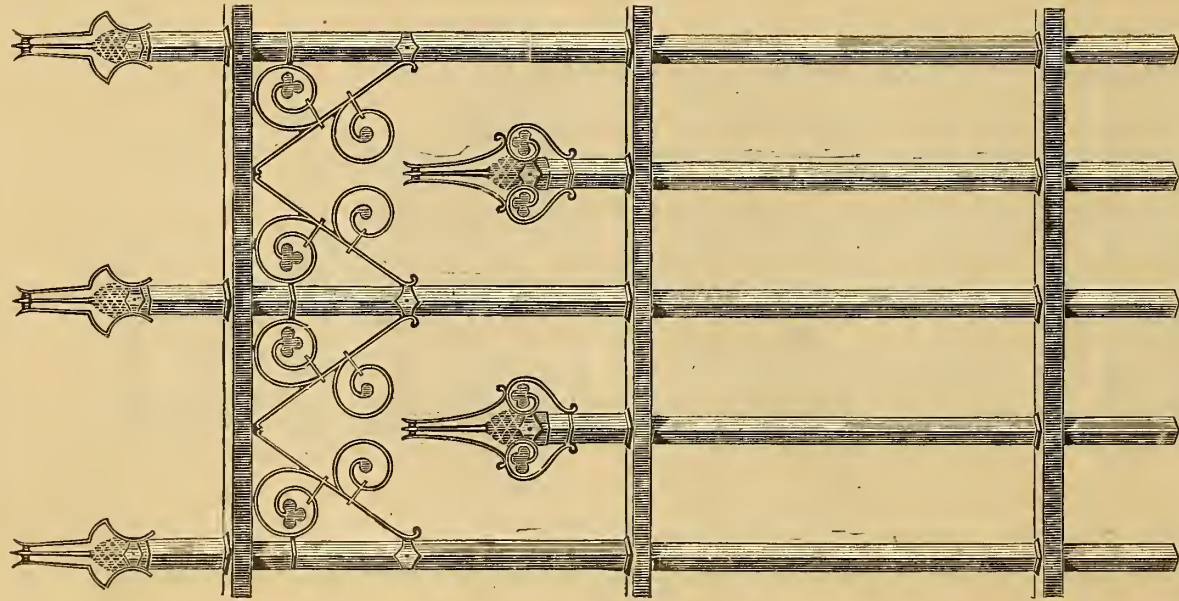
No. 61 is an elegant fence. Has been used to enclose the fine grounds of S. V. Harkness, Esq., Capt. Bradley and many others on Euclid avenue. (Our design.)



No. 332.

STABLE DEPARTMENT.

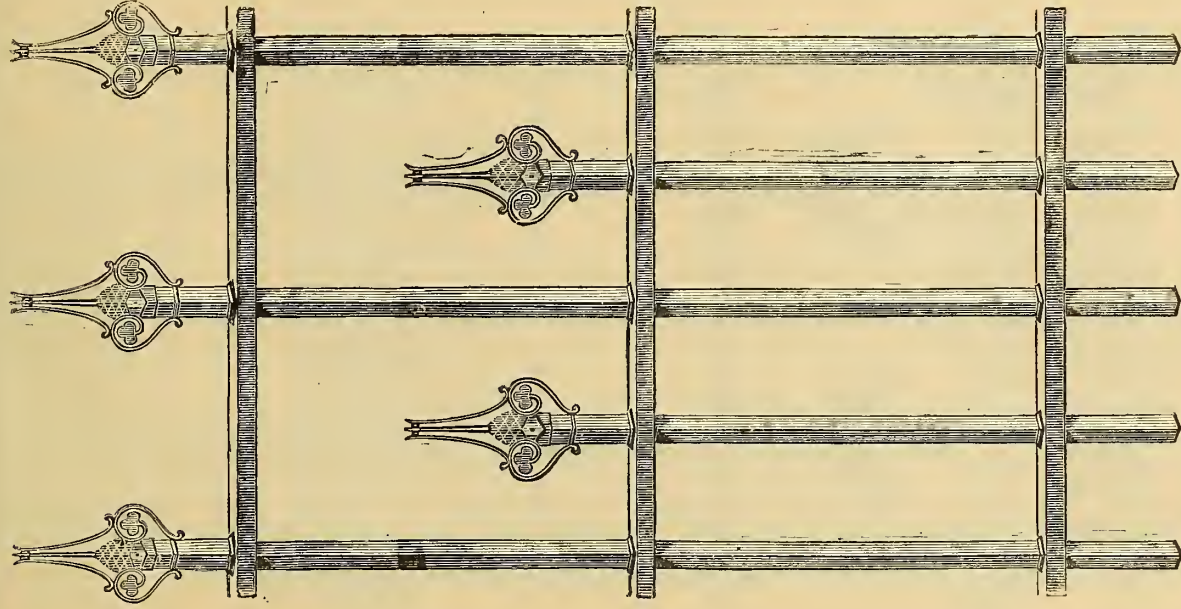
We devote a special department to the manufacture of Stable Fixtures, to wit: Wrought Iron, Wire and Cast Iron Ramps,
Also Hay Racks, Oat Mangers, Feed Boxes, Harness Brackets, Window Guards, Vanes, Finials, Crestings, &c.
Send for Catalogue.



No. 93.

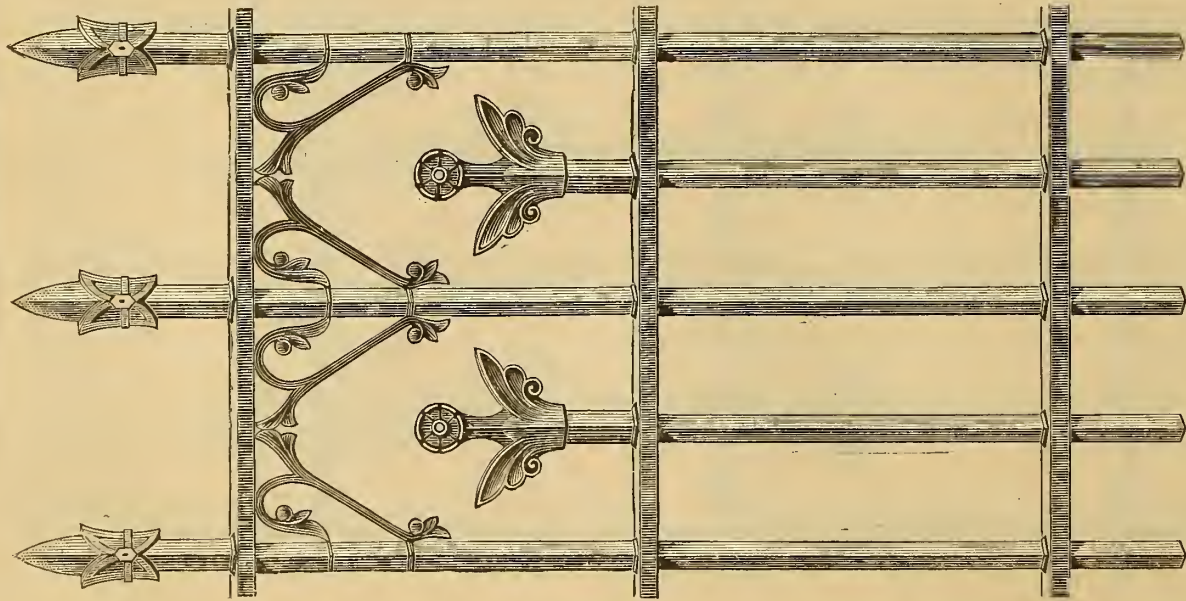
Graecful ornamental residence style. Never before published. The terminals can be all alike if desired, and the ornamental finish under top rail can be omitted as in No. 92.

COPYRIGHTED.



No. 92.

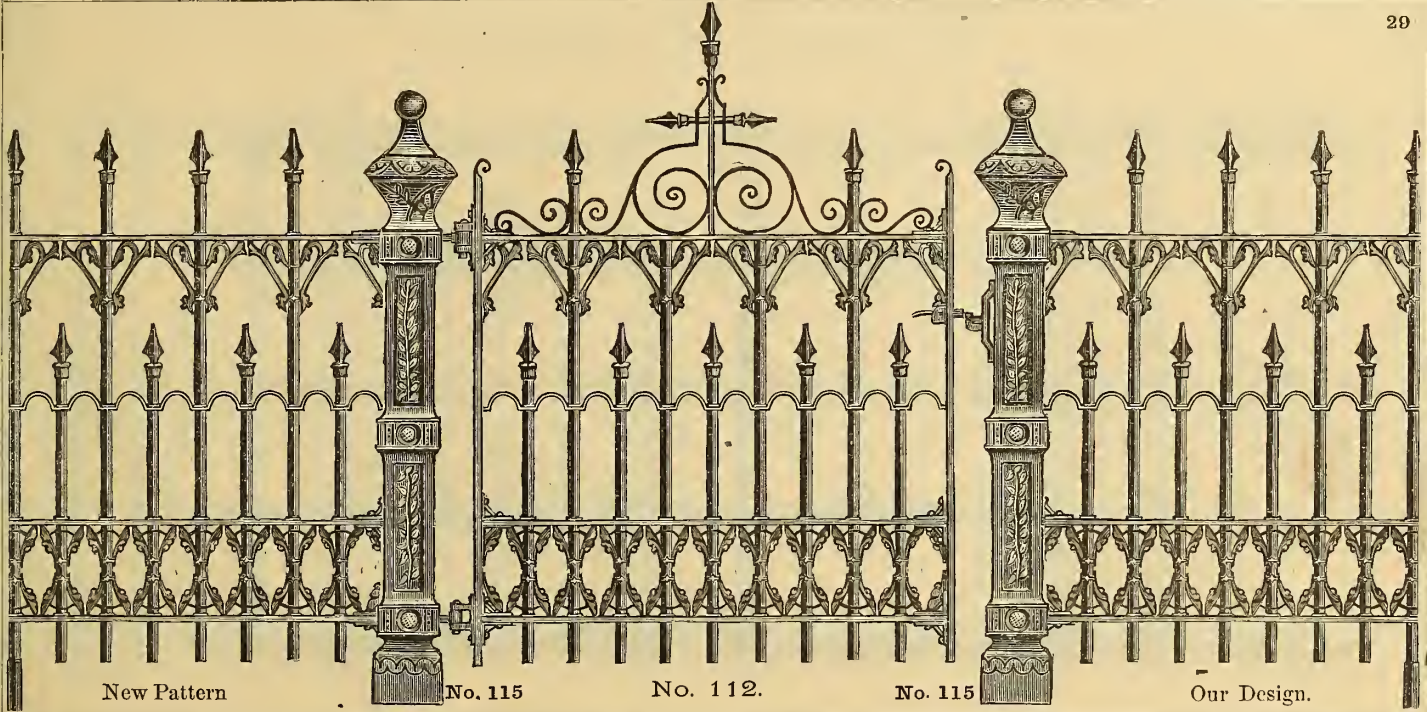
New residence style; a substantial, tasty fence is worth its cost. A poor and vulgar fence is dear at any price. Buy the Cleveland Fence and you will make no mistake.



No. 90.

One of the finest. Designed for us, and never before published. We can finish No. 112 on opposite page with these terminals, which makes a stylish modern ornamental fence, alike on both sides *and neatly finished*.

COPYRIGHTED.



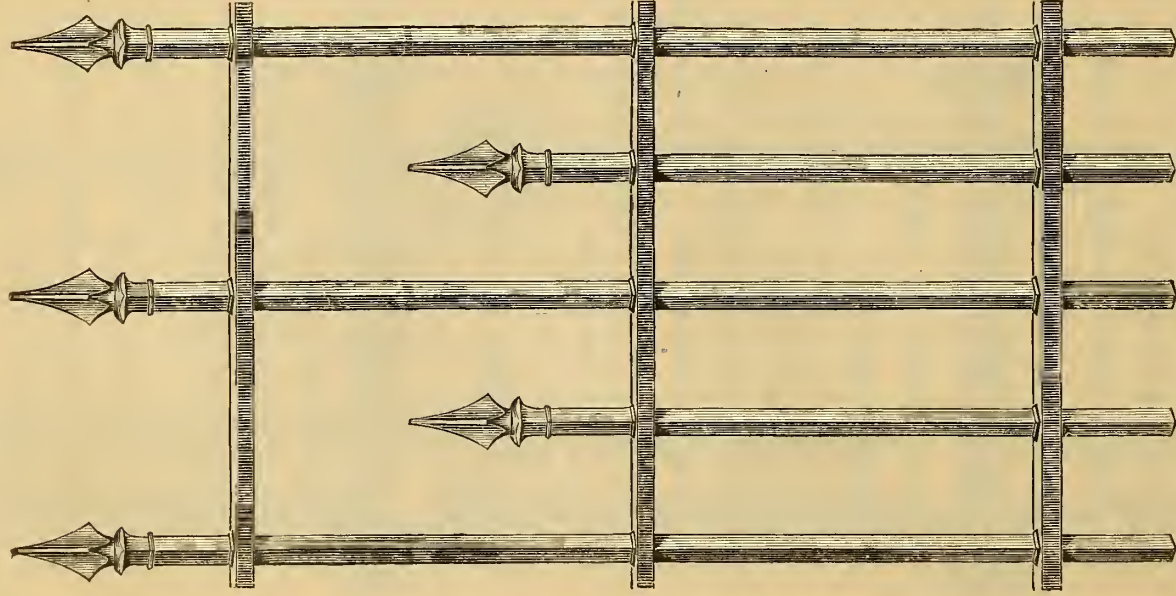
New Pattern

No. 115

No. 112.

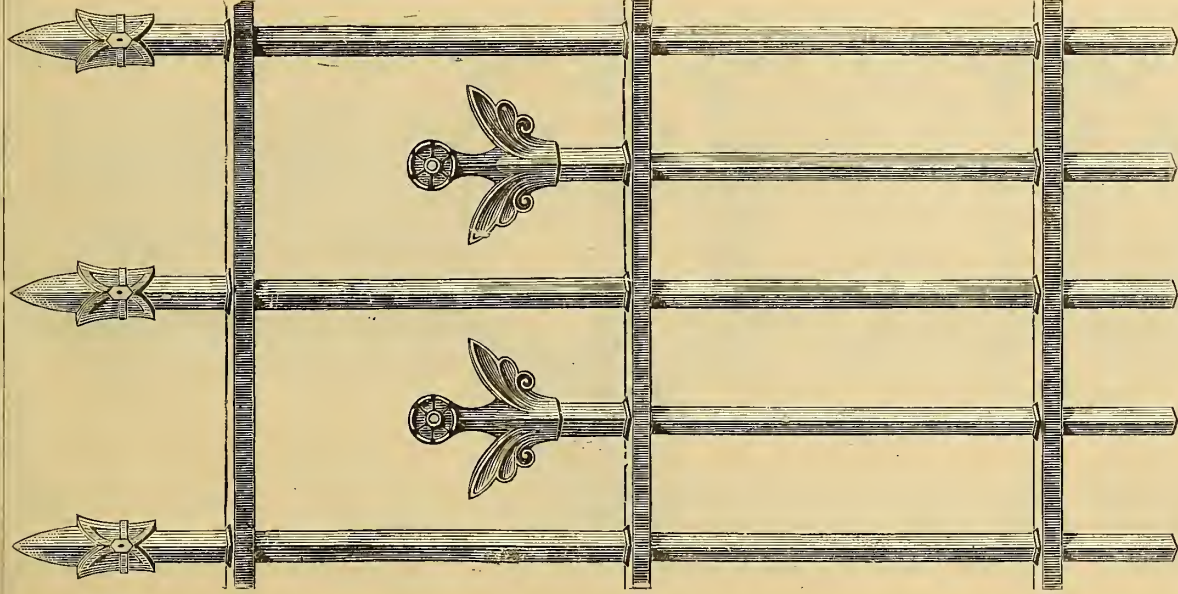
No. 115

Our Design.



ENLARGED VIEW OF No. 45.

Suitable for Residences, School Houses, Court Houses, &c
The terminals are very strong, and are used on Nos. 58, 59
and 61. This pattern can be ornamented under top rail
same as No. 90 if desired.

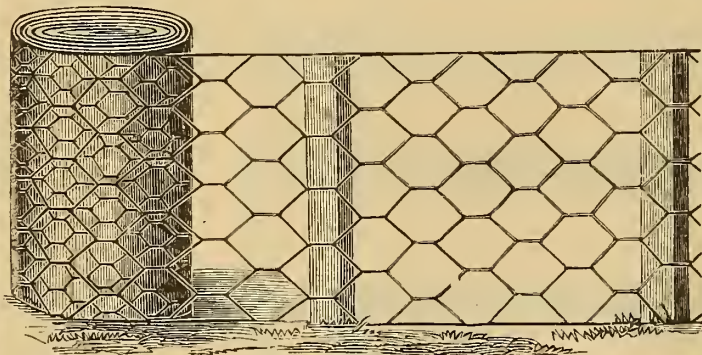


No. 96.

New style terminals. Our design, and never before published. If you buy the Cleveland Fence you make no mistake.

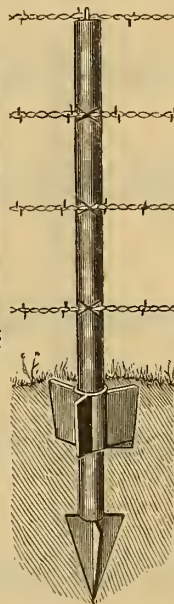
Competitors are warned not to infringe on our construction or copy our designs.

COPYRIGHTED.

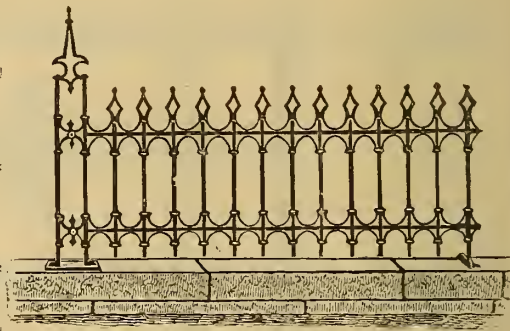


No. 62

Galvanized Wire Netting, for division fence or for poultry or any purpose where a cheap fence is desired. Made in 2, 4, 5 and 6 inch mesh, and in 24, 30, 36, 42, 48 and 60 inch heights. We furnish a very nice iron post for this fence or for barbed wire. We are headquarters for this style of fence.

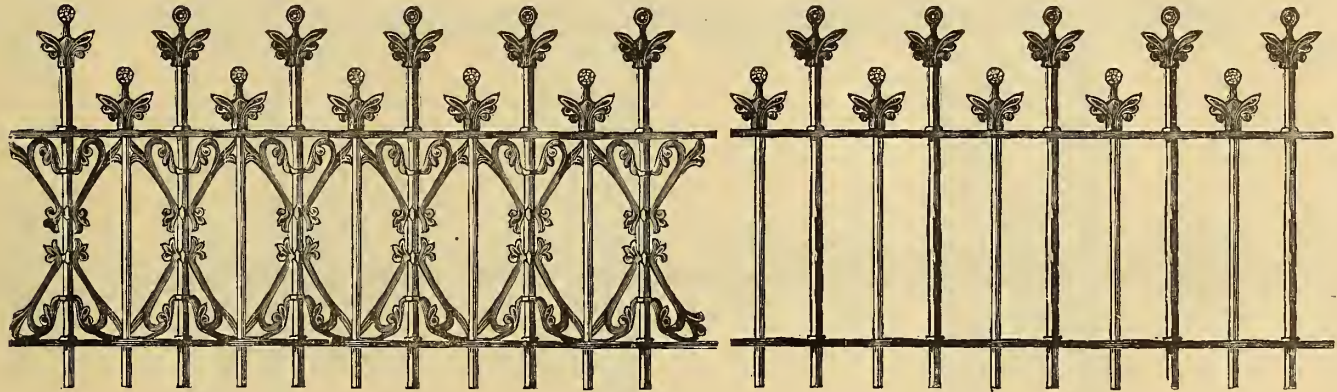


Spark's Patent Post, for Barbed Wire or Division Fence.



No. 23.

Wall Fence—made 18, 24 and 30 inches high. Made of the following sized iron, to wit: 5-16 and $\frac{3}{8}$ round and $\frac{5}{8}$ oval. No. 2, 5 or 17 on page 38 can be used above heights for walls or copings.

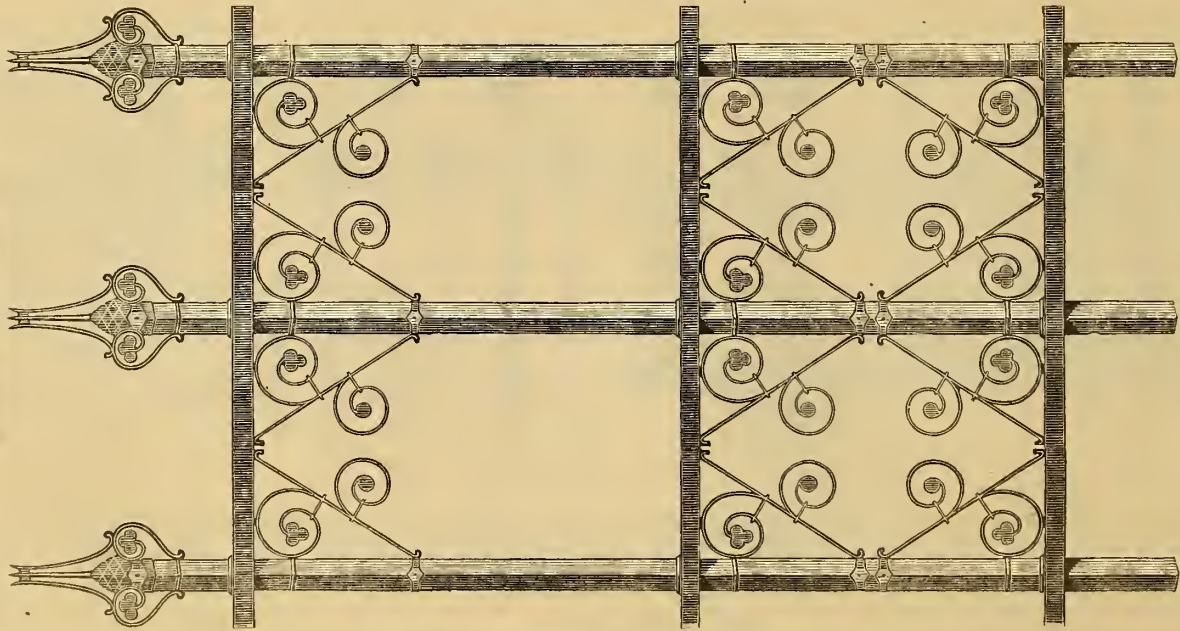


No. 120.

No. 121.

New style wall fence. No 120 should be made 26 inches height. No. 121 can be made any height, to order. Any terminal on other fence can be transferred to these fences. They are very substantial and durable. No. 23 on page 3, No. 110 on pages 6 and 7, No. 111 on pages 8 and 9, can be made any height, to order, and are appropriate for this purpose.

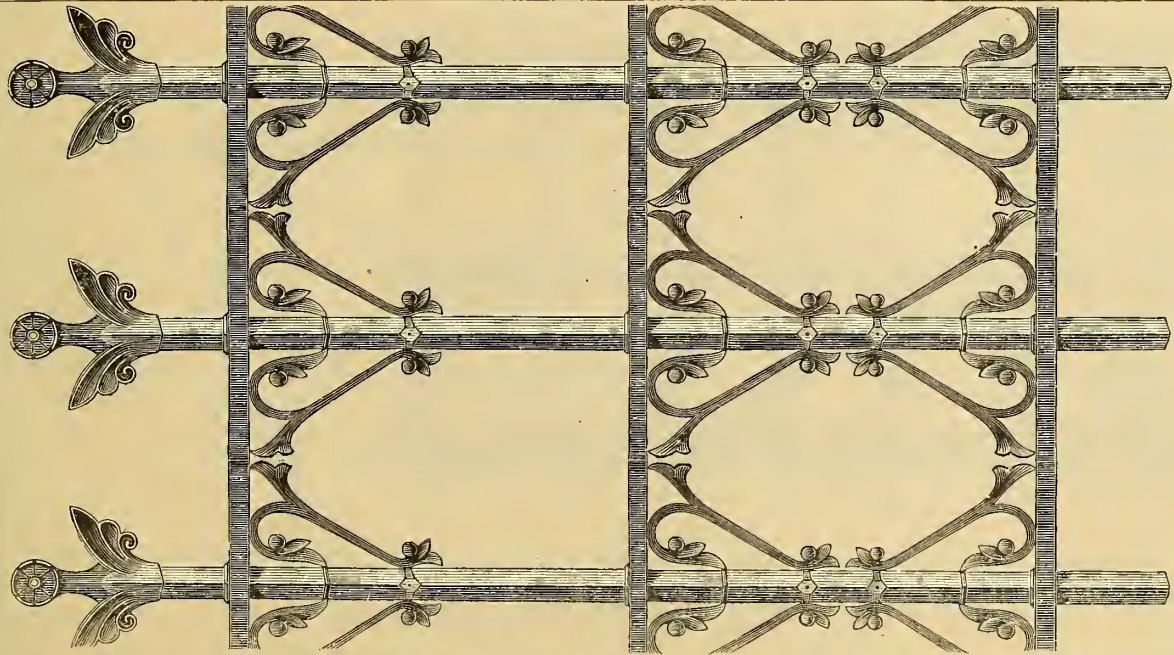
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No. 113.

New style Balcony or Veranda Railing, gotten up expressly for us. Can be made O G cap if desired. Made A or B size.

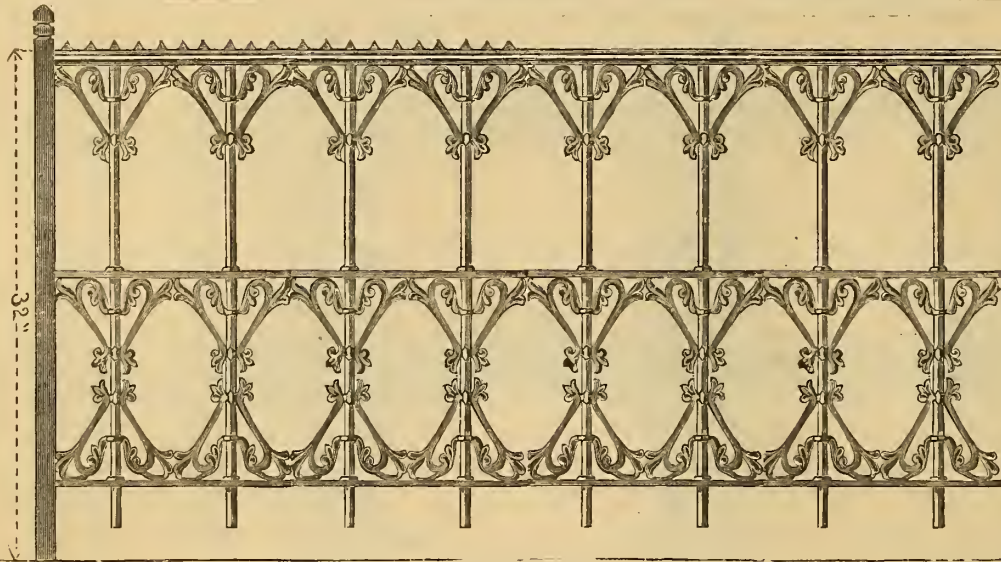
COPYRIGHTED.



No. 114.

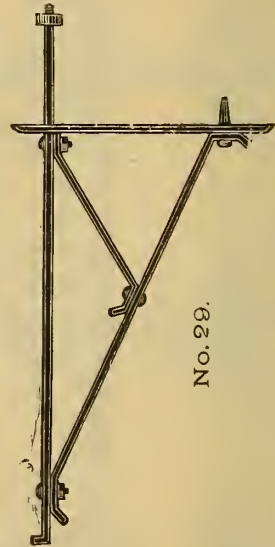
New style Balcony Railing All wrought and malleable iron. Very neat. Can be made as shown on next page if desired.

COPYRIGHTED.



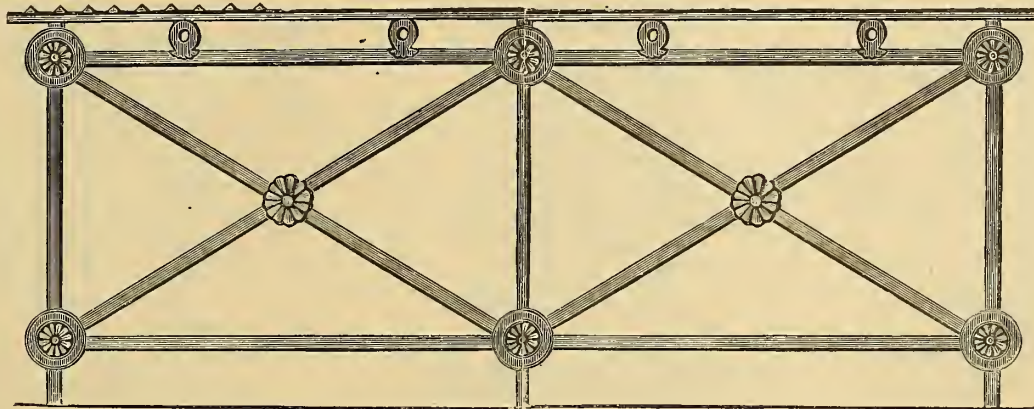
No. 117.

Wrought and malleable Area or Baleony Railing. New style. Can be made smooth, O G or barbed cap, or with terminals as shown in enlarged view, page 35. Standard heights 30 or 34 inches. Can be made both A and B sizes.



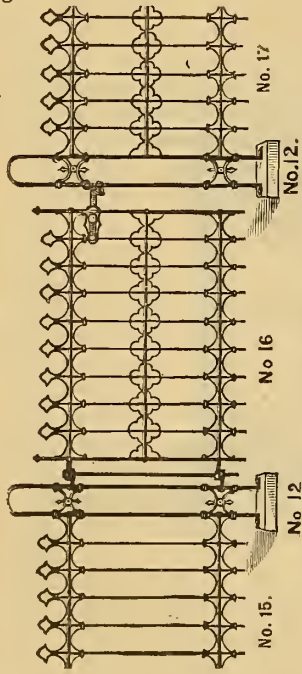
No. 29.

Modern wrought and cast Bracket. Send for styles and prices.

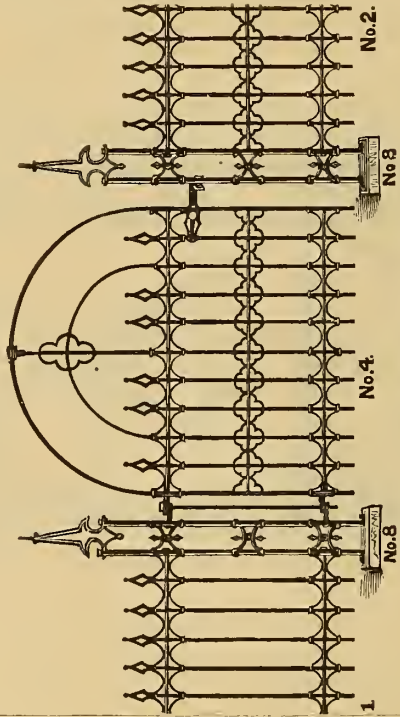


No. 119.

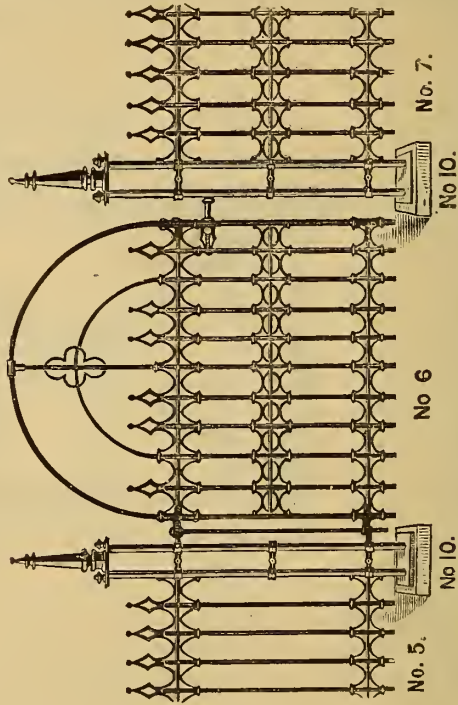
Modern, new and neat style of Stair, Area or Balcony Railing, wrought iron, and can be made light or heavy, as may be desired. We use a heavy, square wrought iron newel, as shown on 117. This Railing, with our wrought iron Brackets, makes a complete job, suitable for the best buildings. See plain Balcony and Stair Rail on page 48.



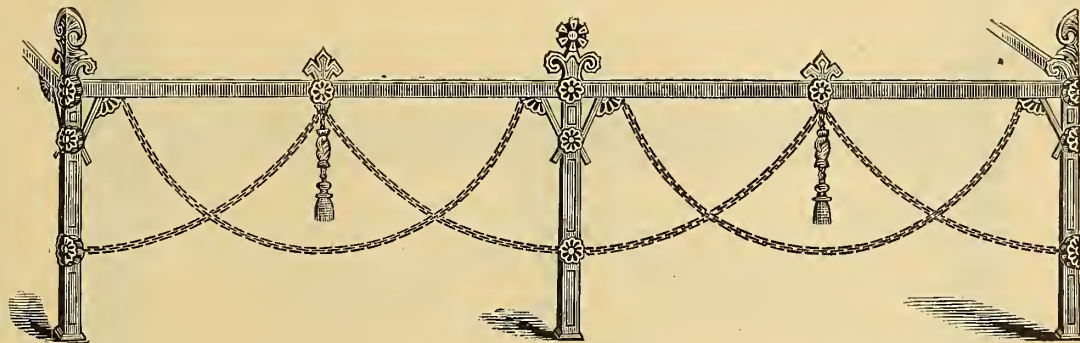
Cemetery or Division Fence, 5-16 Round Picket.



$\frac{3}{8}$ Round Iron Picket, 36 inches high.

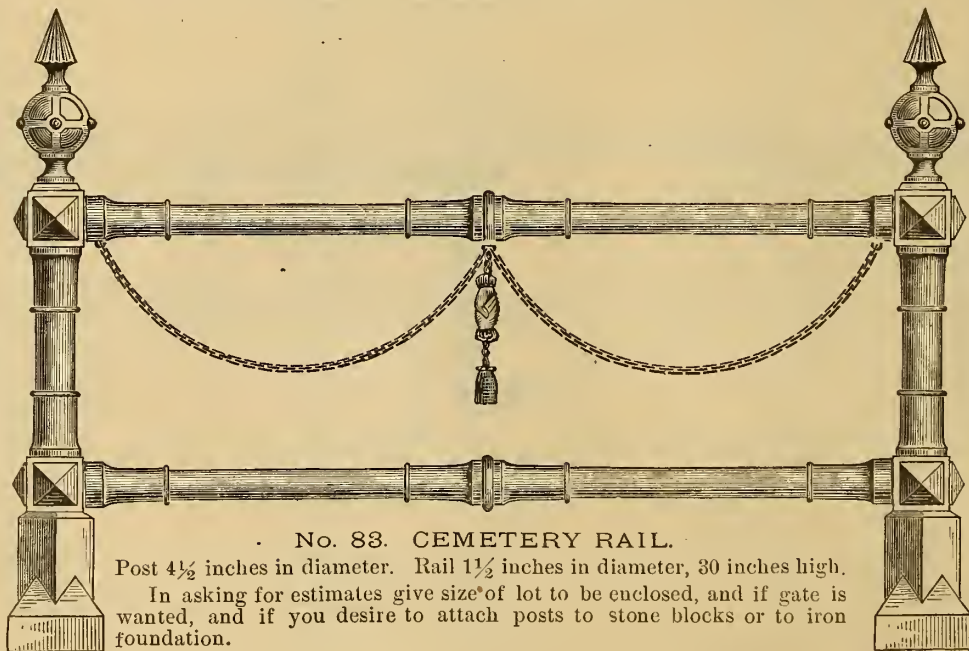


Ornamental style, designed for Residences, Cemeteries, &c.,
 $\frac{5}{8}$ oval picket.



No. 99. CEMETERY RAILS.

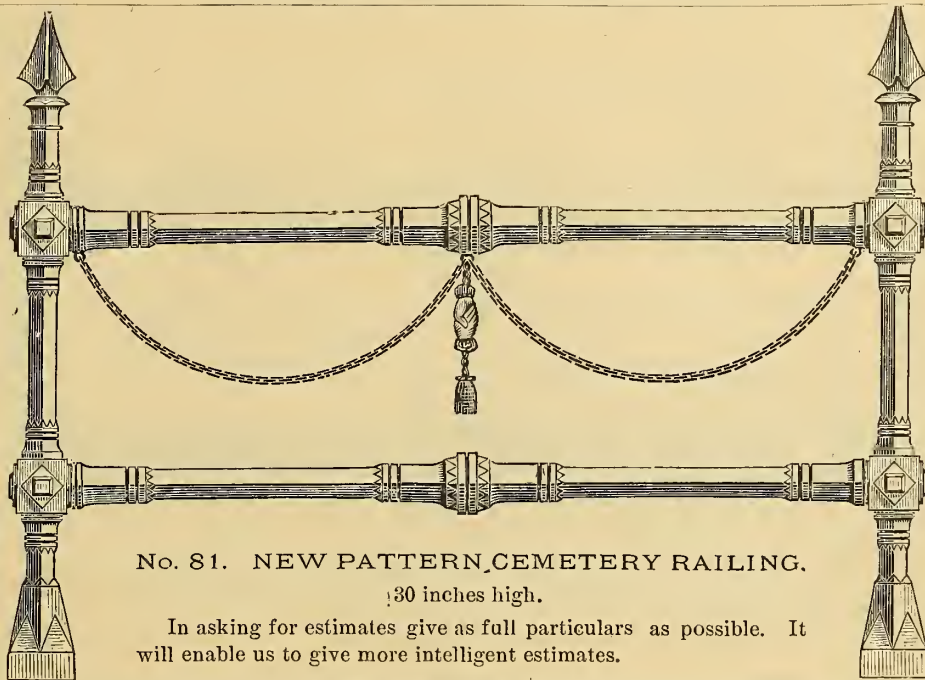
New style, designed for us. Is graceful and appropriate. Can be set on stone blocks or iron foundation. Is 34 inches from ground to top rail. Very reasonable in price. Always send size of enclosure for close estimate.



No. 83. CEMETERY RAIL.

Post $4\frac{1}{2}$ inches in diameter. Rail $1\frac{1}{2}$ inches in diameter, 30 inches high.

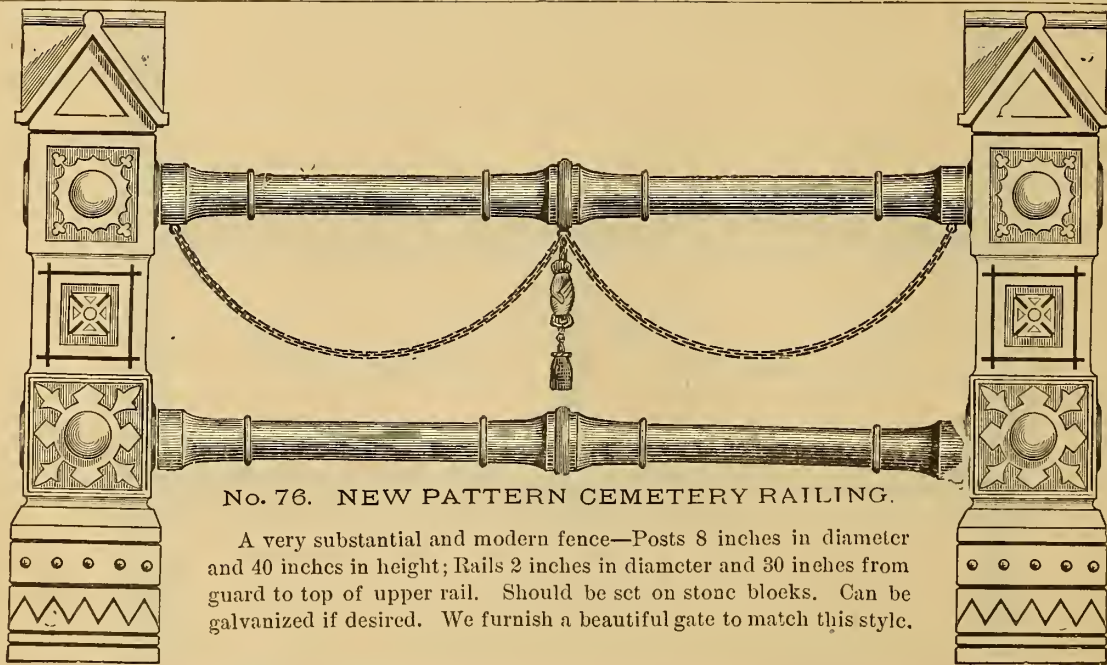
In asking for estimates give size of lot to be enclosed, and if gate is wanted, and if you desire to attach posts to stone blocks or to iron foundation.



No. 81. NEW PATTERN CEMETERY RAILING.

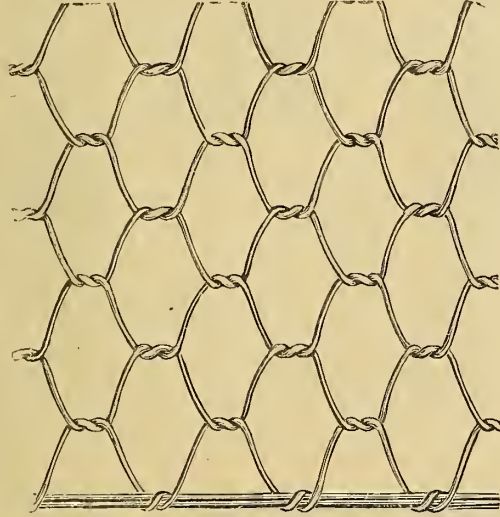
30 inches high.

In asking for estimates give as full particulars as possible. It will enable us to give more intelligent estimates.

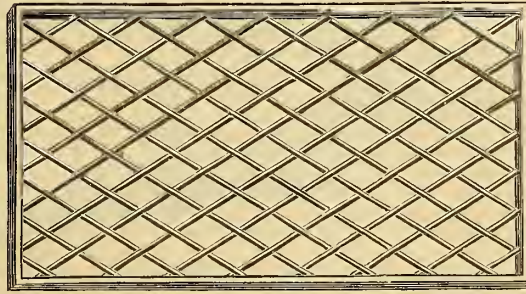


No. 76. NEW PATTERN CEMETERY RAILING.

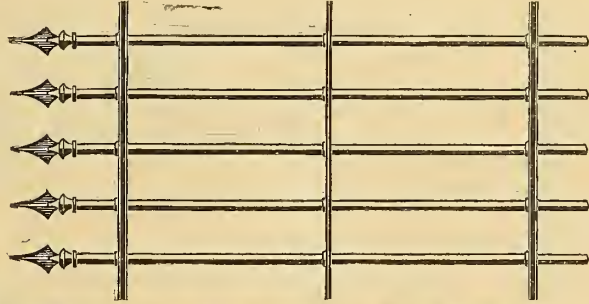
A very substantial and modern fence—Posts 8 inches in diameter and 40 inches in height; Rails 2 inches in diameter and 30 inches from guard to top of upper rail. Should be set on stone blocks. Can be galvanized if desired. We furnish a beautiful gate to match this style.



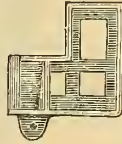
Galvanized Iron Window Screens, $\frac{3}{4}$ -inch mesh, for protecting church or other windows from being broken. Send size of openings for estimates.



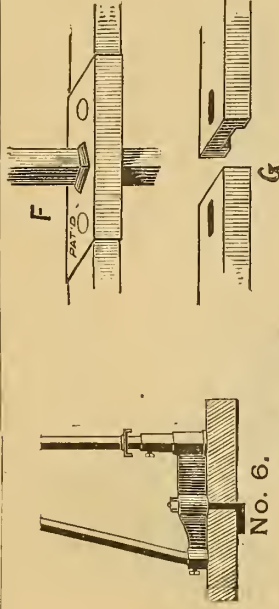
Wire Window Guards



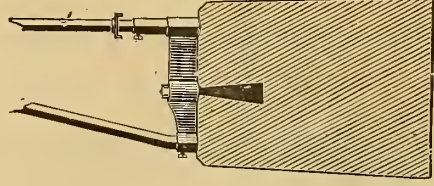
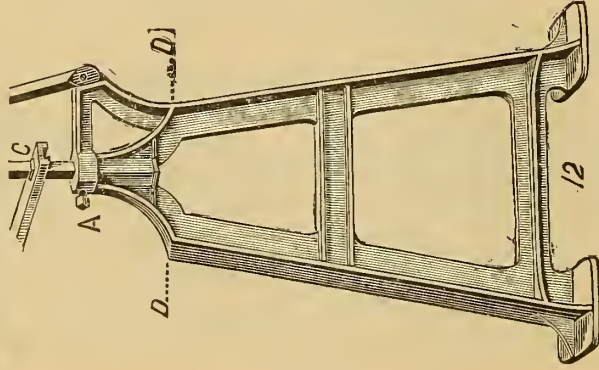
Bar Iron Window and Door Guard.



Iron Shutters and Window Guards, Wire Shutter Eye Office and Counter Railing made to order in the latest styles.



No. 6.

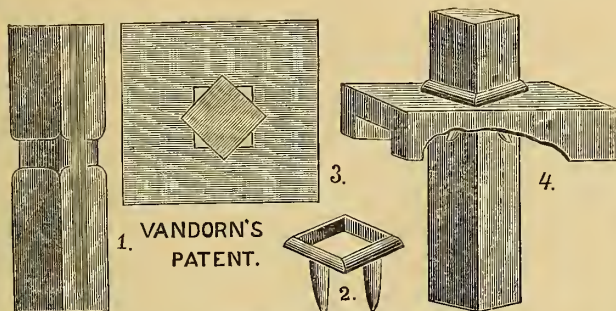


No. 5.

FOUNDATIONS AND ATTACHMENTS.

We set on stone piers, as shown in No. 5, or stone flagging (Sec No. 6), or on continuous stone coping, or on our improved iron foundation (No. 12), as may be desired by the purchaser. We use a brace post foundation at the end of each eight foot pannel and a bearing (Sec No. 2) in the center, thus making a support each four feet, which makes our fence rigid and stiff. Our attachments to foundation are above ground and made by steel set screws, which provides for lateral or vertical adjustment. All the joints are positive and safe. Our pannels are attached to brace with bolts (Sec Fig. G) with provision for expansion and contraction—for heat and cold—all being made in the most perfect and neat manner. Our iron foundation has large bearing surface, will not heave by frost, and is thoroughly painted with asphaltum, which renders it rust proof. We guarantee them in every respect. In asking for estimates, always state if you desire *iron foundations* or *attachments to stone*.

No. 2.



1. VANDORN'S
PATENT.

ISSUED 1872-75-76-77-78.

No. 1—Section of Picket. No. 2—Malleable Dog.
No. 3—Top view of Rail, showing the manner of interlocking.
No. 4—Side view of Picket Rail and Dog, showing the finish.

CONSTRUCTION.—At the intersection of the picket with the rail the corners of the former are reduced until the width of the diagonal (see No. 1) is reduced to the width of the square of the hole in the rail (see No. 3.) The picket is passed through the square mortice as far as the reduced section and is then turned one quarter around (see No. 3) and is firmly held by inserting the legs of the collar (see No. 2) through the triangular spaces, as shown, (see No. 3 and 4) and clinched underneath the rail. The collar making a neat finish on the upper side of the rail; by this device a perfect and immovable joint is effected, and our Posts, Gates and Fence are consequently very rigid and substantial.

We, the undersigned, have examined the Van Dorn manner of construction, as shown in annexed detail as applied to iron fencing and railings, gates, door and window guards, jail corridors, &c., and find it a very *valuable mechanical improvement*, superior to anything we have examined for the purpose. It adds to the appearance as well as to the strength and durability of such work, and we cheerfully recommend it for general use.

CHAS. LATIMER, Chief Eng. N. Y. P. & O. R. R., Cleveland, O.

B. F. MORSE, Chief Engineer City, Cleveland, O.

JOHN WHITE LAW, Sup't Water Works, Cleveland, O.

R. DOTY, Chief Engineer Water Works, Cleveland, O.

G. A. HYDE, Chief Engineer Cleveland Gas Light and Coke Co.

JOHN EISENMANN, Professor of Engineering and Architecture
Case School of Applied Sciences, Cleveland, O.

A. H. PORTER, Eng. King Iron Bridge & Mfg. Co., Cleveland, O.

Always send Number of Feet, Number of Gates, Height and Style, with Full Particulars, for Estimates.

SIZE A is made of 7-16 square pickets $\frac{5}{8}$ diagonal, placed about 4 inch centers, standard height 39 inches from ground. The parallel rails are $\frac{3}{8} \times 1\frac{1}{2}$, and is a superior fence to any $\frac{5}{8}$ round fence manufactured. It is designed especially to enclose Residences.

SIZE B is made of 9-16 square pickets $\frac{3}{4}$ diagonal, placed about 4 inch centers, standard height 43 inches from ground. The rails are $\frac{1}{2} \times 1\frac{1}{2}$, and is designed for Residences, Public Buildings, etc. It is superior in every way to a $\frac{3}{4}$ round iron fence.

SIZE C is made of $\frac{3}{4}$ square pickets $1\frac{1}{8}$ diagonal, placed from 4 to 5 inch centers, standard height 48 inches from ground. The rails are $\frac{1}{2} \times 2$. This size is for very heavy work, and is only used for Public Buildings or large Public Parks or enclosures. Either size can be made 4 inches higher than above specified.

GATES we make very substantial and to match the style of fence ordered, the standard width being $3\frac{1}{2}$ feet. Our Carriage Gates are made double, standard width 10 feet. Our hinges and catches are put on in the most substantial shape. Our Entrance Gates are self-closing and are fitted up with brass lined hinges and catches. Gates cost more than Fence, and their number should be specified.

POSTS.—Our gate and end posts are made of either cast or wrought iron and from 4 to 12 inches in diameter. We can use either style with any pattern of fence. The wrought iron are made square or octagon cluster patterns and are very neat and durable. Any post we make is sufficiently large to sustain the gates properly.

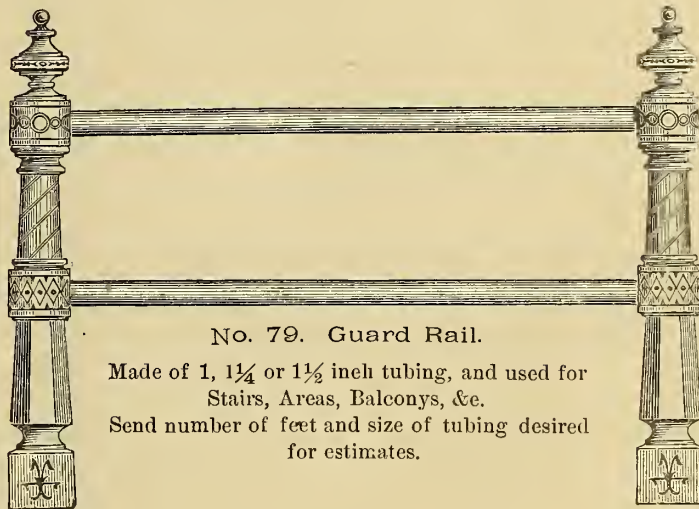
SETTING UP.—Our work can be readily set up by a man who can set up posts plumb and level and straight, as no difficulty is met in making all connections, etc. We ship in panels of about 8 feet in length, thoroughly covered with one coat of paint of best quality, put on with a brush, and furnish a clear and explicit diagram or plan showing where each panel goes. There is positively no danger of breakage in shipment or use.

NOTHING SUCCEEDS LIKE SUCCESS.

It is our highest ambition to be the best fence maker in the country, and during the past ten years we have bent every energy to that end, and the popularity of the Cleveland Wrought Iron Fence where introduced attests its superiority. We have not, as have some makers, sacrificed a good thorough construction to cheapness alone, believing that a good, durable article is what is demanded, and not cheap claptrap. The correctness of this position is shown by our largely increased sales, which have nearly doubled annually, and we shall continue to make only the best goods. We beg the closest scrutiny to every detail of our fence, knowing that it will result in our receiving your orders. We show our work in enlarged views, and also the construction in detail and specify sizes of iron and are pleased to give any additional information, so that purchasers may know exactly what they are buying.

Respectfully,

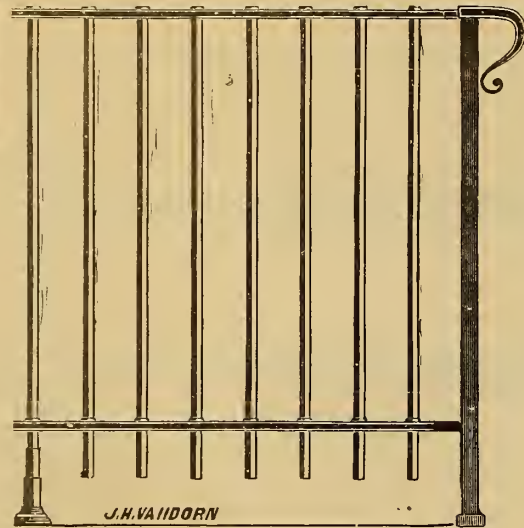
J. H. VAN DORN.



No. 79. Guard Rail.

Made of 1, 1¼ or 1½ inch tubing, and used for
Stairs, Areas, Balconys, &c.

Send number of feet and size of tubing desired
for estimates.

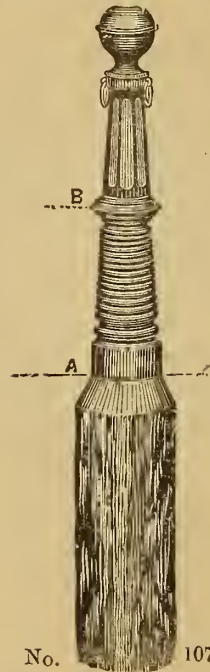


No. 118.

Plain Wrought Iron, Stair, Area or Balcony Railing. Can be made smooth, or Spike Cap.



No. 102.



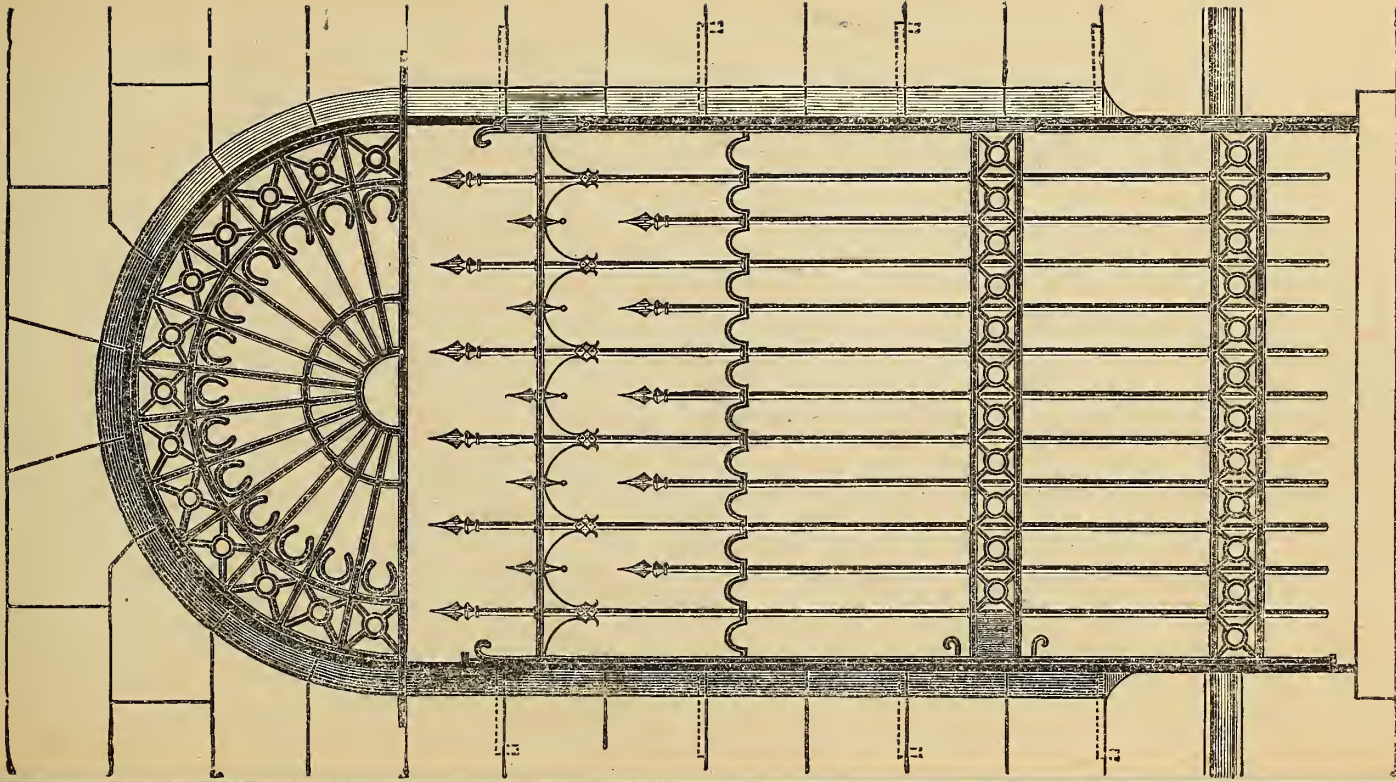
No. 107.



No. 103.



No. 100.



VAULT DOORS.



CAGE FOR STATION HOUSES

LIBRARY OF CONGRESS



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0 014 484 912 7



Conservation Resources
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Ph 8.5, Buffered